

# Converting Colors

XYZ(82.4660, 97.1317, 92.9605)

Have a look what the booklet for  
XYZ(82.4660, 97.1317, 92.9605)  
contains.

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# **Color**

**XYZ(80.2706, 92.7338,  
92.2660)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DCFFEB
RGB	220, 255, 235
RGB Percent	86%, 100%, 92%
CMY	0.1372, 0.0000, 0.0784
CMYK	0.14, 0.00, 0.08, 0.00
HSL	146°, 100%, 93%
HSV	146°, 14%, 100%
XYZ	80.2706, 92.7338, 92.2660
YIQ	242.2550, -14.4400, -13.6400

# Conversions

## Conversions Part 2

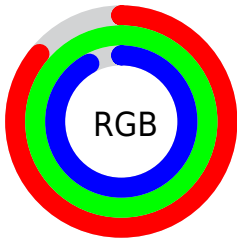
Format	Color
RYP	220, 245, 255
Decimal	14483435
CIELab	97.12, -14.97, 5.77
CIElCh	97, 16.042, 158.903
Yxy	92.7338, 0.3026, 0.3496
Android (android.graphics.Color)	4292673515 (0xFFDCFFEB)
YUV	242.2550, -3.5767, -19.5176
Hunter-Lab	96.2984, -19.7315, 10.6016

# Details

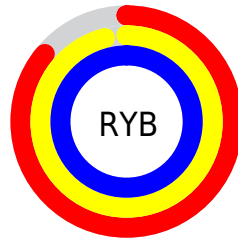
The XYZ color **80.2706, 92.7338, 92.2660** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **82.5618, 78.7386, 93.2846**, and the grayscale version is **84.6352, 89.0429, 96.9677**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.8478, 51.6422, 50.3047** is the 20% darker color. If you saturate the color by 10%, you get **71.1126, 88.2460, 81.2951**, and if you desaturate by 10%, it is **90.7799, 97.8982, 104.2032**.

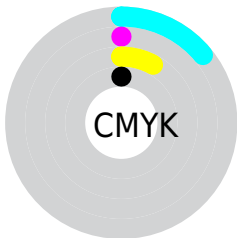
# Distribution



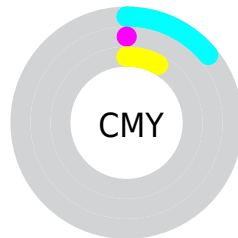
- Red (86%)
- Green (100%)
- Blue (92%)



- Red (86%)
- Yellow (96%)
- Blue (100%)



- Cyan (14%)
- Magenta (0%)
- Yellow (8%)
- Black (0%)




- Cyan (14%)
- Magenta (0%)
- Yellow (8%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 80.2706, 92.7338, 92.2660 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 80.2706, 92.7338, 92.2660 by changing the saturation by 10% instead.




 80.2706, 92.7338,  
92.2660

 80.2706, 92.7338,  
92.2660


484.5670,  
536.8842, 556.1340

 60.2503, 70.2503,  
69.2773


132.6946,  
151.1300, 152.4449

 43.8706, 51.7306,  
50.4644


165.8291,  
187.8115, 190.4722

 30.7663, 36.7904,  
35.4088


204.0656,  
229.9944, 234.3495

 20.5719, 25.0452,  
23.6919

247.7696,  
278.0631, 284.4952

 12.9221, 16.1108,  
14.8951

297.3063,  
332.4021, 341.3280

 7.4516, 9.6026,  
8.6000

353.0413,

 3.7949, 5.1362,

393.3957, 405.2664

4.3880

415.3397,  
461.4282, 476.7289

■ 1.5868, 2.3274,  
1.8405

■ 0.3838, 0.7882,  
0.4545

■ 80.2706, 92.7338,  
92.2660

■ 80.2706, 92.7338,  
92.2660

■ 71.1126, 88.2460,  
81.2951

■ 90.7799, 97.8982,  
104.2032

■ 63.2462, 84.4047,  
71.2619

95.0500, 100.0000,  
108.9000

■ 56.6107, 81.1789,  
62.1429

■ 51.1393, 78.5348,  
53.9116

■ 46.7587, 76.4351,  
46.5405

■ 43.3868, 74.8381,  
40.0004

■ 40.9287, 73.6954,  
34.2601

■ 39.2697, 72.9486,  
29.2864

■ 38.5361, 72.6304,  
26.5386

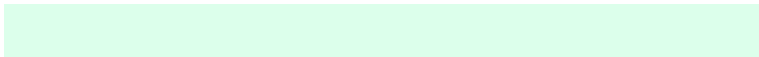
# Harmonies

## Analogous

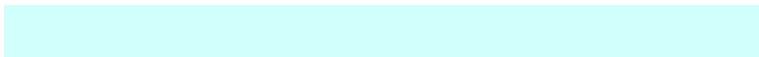
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.7893, 92.7338, 82.7965



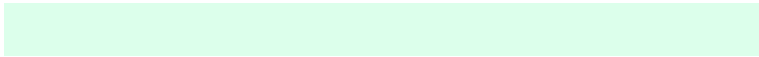
80.2706, 92.7338, 92.2660



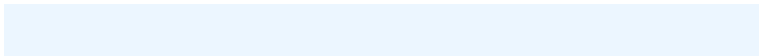
79.8221, 92.7338, 104.8767

# Triad

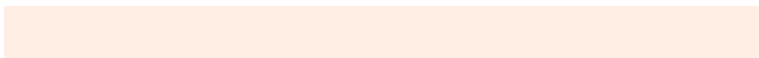
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.2706, 92.7338, 92.2660



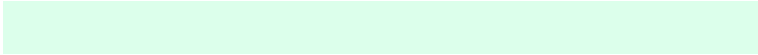
89.4940, 92.7338, 127.6412



95.0858, 92.7338, 86.1185

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



80.2706, 92.7338, 92.2660



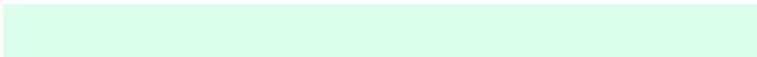
82.5618, 78.7386, 93.2846

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



97.0181, 92.7338, 97.1641



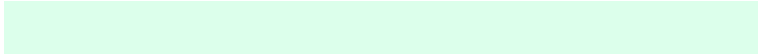
80.2706, 92.7338, 92.2660



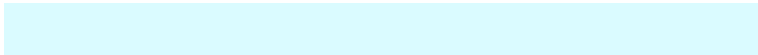
93.7179, 92.7338, 121.6285

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.2706, 92.7338, 92.2660



85.0462, 92.7338, 126.0465



96.5091, 92.7338, 110.2077

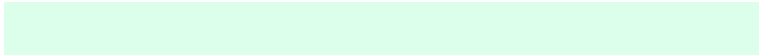


91.3094, 92.7338, 79.4640

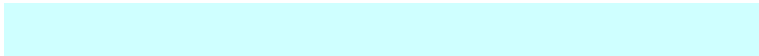


# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



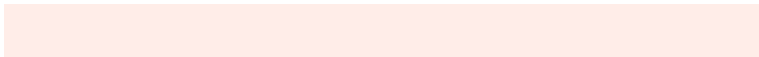
80.2706, 92.7338, 92.2660



80.7418, 92.7338, 113.4989



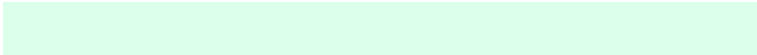
96.5091, 92.7338, 110.2077



95.9783, 92.7338, 89.4013

# Sweetspot

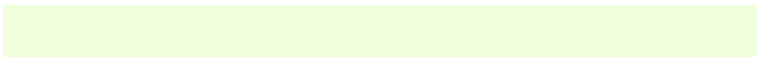
The Sweet Spot groups the original color and five complimentary colors.



80.2714, 92.7342, 92.2675



90.4721, 97.7468, 103.8616



84.7556, 95.2858, 81.6363



19.1859, 20.8338, 22.0316



0.0000, 0.0000, 0.0000

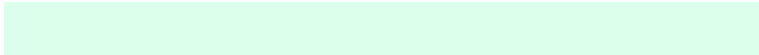


20.3446, 21.4041, 23.3091

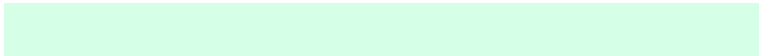


# Same Dimension

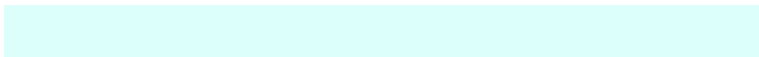
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.2714, 92.7342, 92.2675



78.0710, 91.6547, 89.6872



82.8597, 93.7695, 105.8970



18.0947, 20.2974, 20.8018



20.2072, 37.9795, 14.2422



2.0209, 3.7193, 1.6680



# Inverse Universe

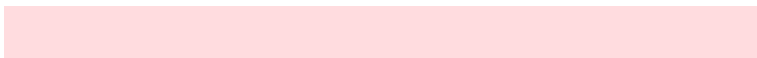
The Inverse Universe completely reimagines the original color for something new.



82.5618, 78.7386, 93.2846



80.6984, 75.5989, 90.8533



80.1419, 77.7707, 80.5416



18.4444, 18.1611, 20.9572



24.3243, 12.2190, 15.6238



2.4231, 1.2116, 1.8096



# Previews

## White Background



This preview shows how the XYZ color 80.2706, 92.7338, 92.2660 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

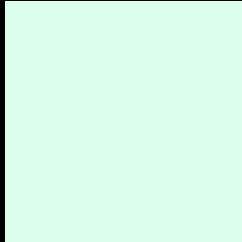
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 80.2706, 92.7338, 92.2660 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

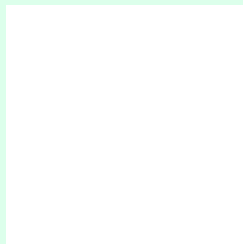
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 80.2706, 92.7338, 92.2660

## Background



This preview shows how black text looks on a background with the XYZ color 80.2706, 92.7338, 92.2660.



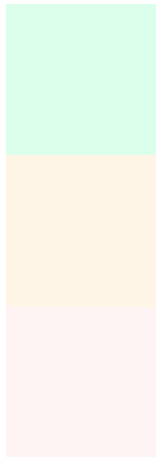
This preview shows how white text looks on a background with the XYZ color 80.2706, 92.7338,

92.2660.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

80.2706, 92.7338, 92.2660

### Protanopia

88.1753, 92.2780, 88.0270

### Deuteranopia

89.9198, 92.4930, 98.7016



## Tritanopia

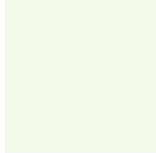
87.2140, 92.7055, 107.9050

# Trichromacy



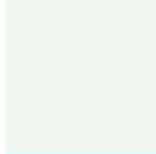
## Original Color

80.2706, 92.7338, 92.2660



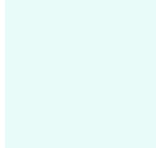
## Protanomaly

85.0591, 92.4548, 89.7064



## Deuteranomaly

86.0625, 92.3629, 96.5109



## Tritanomaly

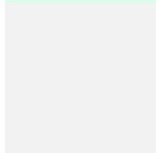
84.7192, 92.9275, 102.2786

# Monochromacy



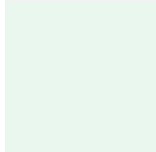
## Original Color

80.2706, 92.7338, 92.2660



## Achromatopsia

84.3971, 88.7923, 96.6948



## Achromatomaly

82.7724, 90.2459, 94.7180

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 80.2706, 92.7338, 92.2660 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(220, 255, 235)` looks like.

```
.text, #text, p{  
    color:rgb(220, 255, 235)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(220, 255, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 255, 235) }
```

## Border

The CSS property to change the border of an element to XYZ 80.2706, 92.7338, 92.2660 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(220, 255, 235) }
```



If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(220, 255, 235) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(220, 255, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 255, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 255, 235);  
box-shadow:4px 4px 4px 4px rgb(220, 255,  
235) }
```

# Background

The CSS property to change the background color of an element to XYZ 80.2706, 92.7338, 92.2660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 255, 235) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(220,  
255, 235) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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