

# Converting Colors

XYZ(80.4468, 91.1070, 91.8630)

Have a look what the booklet for  
XYZ(80.4468, 91.1070, 91.8630)  
contains.

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# Color

**XYZ(80.2330, 90.8398,  
91.9024)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E0FBEB
RGB	224, 251, 235
RGB Percent	88%, 98%, 92%
CMY	0.1216, 0.0157, 0.0784
CMYK	0.11, 0.00, 0.06, 0.02
HSL	144°, 77%, 93%
HSV	144°, 11%, 98%
XYZ	80.2330, 90.8398, 91.9024
YIQ	241.1030, -10.9560, -10.7000

# Conversions

## Conversions Part 2

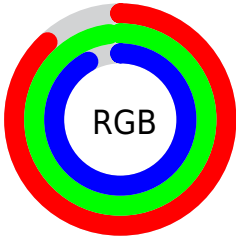
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	224, 243, 251
Decimal	14744555
CIE <sub>Lab</sub>	96.34, -11.70, 4.69
CIE <sub>LCh</sub>	96, 12.602, 158.169
Y <sub>xy</sub>	90.8398, 0.3051, 0.3454
Android (android.graphics.Color)	4292934635 (0xFFE0FBEB)
YUV	241.1030, -3.0088, -14.9993
Hunter-Lab	95.3099, -16.5290, 9.5467

# Details

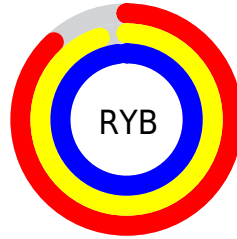
The XYZ color **80.2330, 90.8398, 91.9024** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **82.1707, 80.1140, 93.5748**, and the grayscale version is **83.7214, 88.0815, 95.9207**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.7907, 50.2733, 50.0435** is the 20% darker color. If you saturate the color by 10%, you get **70.9608, 86.3004, 80.7155**, and if you desaturate by 10%, it is **90.8384, 96.0508, 104.0938**.

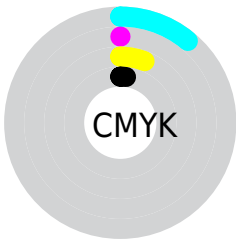
# Distribution



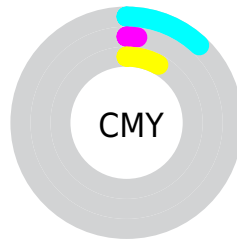
- Red (88%)
- Green (98%)
- Blue (92%)



- Red (88%)
- Yellow (95%)
- Blue (98%)



- Cyan (11%)
- Magenta (0%)
- Yellow (6%)
- Black (2%)



- Cyan (12%)
- Magenta (2%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 80.2330, 90.8398, 91.9024 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 80.2330, 90.8398, 91.9024 by changing the saturation by 10% instead.



80.2330, 90.8398,  
91.9024

80.2330, 90.8398,  
91.9024

484.4423,  
530.7589, 554.9290

60.2192, 68.6774,  
68.9770

132.6421,  
148.5044, 151.9366

43.8455, 50.4490,  
50.2213

165.7681,  
184.7753, 189.8825

30.7465, 35.7703,  
35.2169

203.9956,  
226.5179, 233.6724

20.5567, 24.2568,  
23.5451

247.6899,  
274.1164, 283.7246

12.9110, 15.5243,  
14.7874

297.2163,  
327.9555, 340.4579

7.4439, 9.1881,  
8.5254

352.9403,

3.7900, 4.8641,

388.4193, 404.2907

4.3404

415.2272,  
455.8923, 475.6415

■ 1.5840, 2.1677,  
1.8139

■ 0.3820, 0.7023,  
0.4371

■ 80.2330, 90.8398,  
91.9024

■ 80.2330, 90.8398,  
91.9024

■ 70.9608, 86.3004,  
80.7155

■ 90.8384, 96.0508,  
104.0938

■ 62.9598, 82.3935,  
70.5016

■ 93.7889, 97.4778,  
108.4796

■ 56.1740, 79.0933,  
61.2363

■ 50.5403, 76.3679,  
52.8918

■ 45.9898, 74.1823,  
45.4392

■ 42.4456, 72.4974,  
38.8478

■ 39.8200, 71.2687,  
33.0850

■ 38.0090, 70.4432,  
28.1157

■ 36.9096, 69.9621,  
24.1940

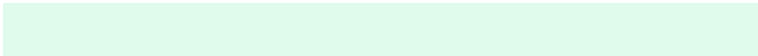
# Harmonies

## Analogous

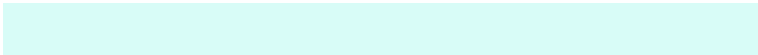
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.2414, 90.8398, 84.4946



80.2330, 90.8398, 91.9024



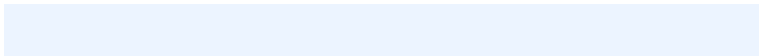
79.8385, 90.8398, 101.6778

# Triad

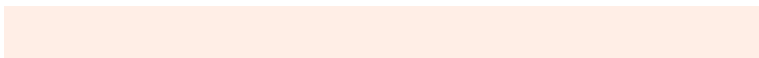
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.2330, 90.8398, 91.9024



87.3019, 90.8398, 119.2756



91.7493, 90.8398, 87.4519

# Complementary

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



80.2330, 90.8398, 91.9024



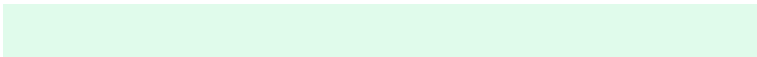
82.1707, 80.1140, 93.5748

# Split Complementary

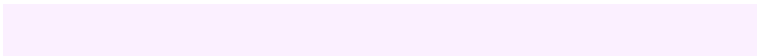
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



93.1863, 90.8398, 96.1911



80.2330, 90.8398, 91.9024



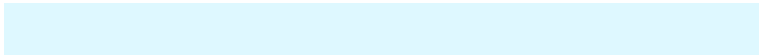
90.5736, 90.8398, 114.8763

# Square

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



80.2330, 90.8398, 91.9024



83.8580, 90.8398, 117.9341



92.7503, 90.8398, 106.2632



88.8715, 90.8398, 82.0488

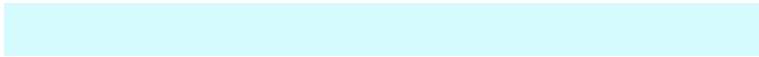


# Rectangle

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



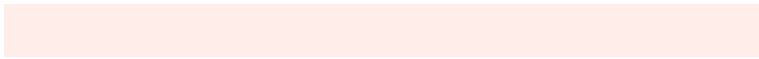
80.2330, 90.8398, 91.9024



80.5333, 90.8398, 108.3055



92.7503, 90.8398, 106.2632



92.4203, 90.8398, 90.0725

# Sweetspot

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



80.2355, 90.8436, 91.9044



91.5699, 98.2893, 104.9718



83.9581, 92.9407, 84.0364



19.4053, 20.9424, 22.2470



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

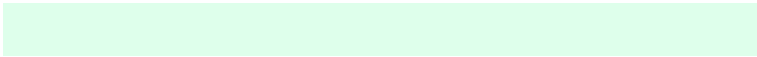


# Same Dimension

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



80.2355, 90.8436, 91.9044



80.8849, 93.0446, 92.5620



82.2305, 91.6417, 102.4100



17.3105, 19.4265, 19.8354



19.4680, 36.8002, 13.0740



1.8542, 3.4288, 1.4799



# Inverse Universe

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



82.1707, 80.1140, 93.5748



83.2729, 79.8035, 94.6228



80.2658, 79.3520, 83.5436



17.6763, 17.3979, 20.1513



23.8272, 11.9466, 16.3301

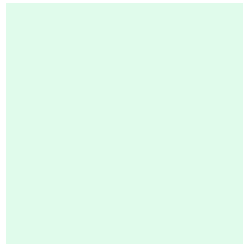


2.2594, 1.1275, 1.7893



# Previews

## White Background



This preview shows how the XYZ color 80.2330, 90.8398, 91.9024 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

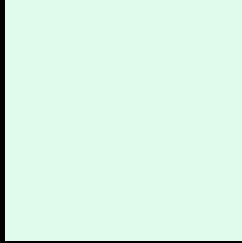
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 80.2330, 90.8398, 91.9024 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

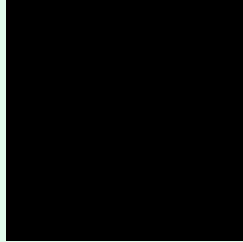
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

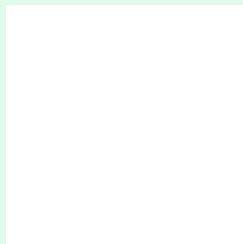
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 80.2330, 90.8398, 91.9024

## Background



This preview shows how black text looks on a background with the XYZ color 80.2330, 90.8398, 91.9024.



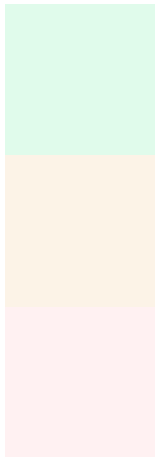
This preview shows how white text looks on a background with the XYZ color 80.2330, 90.8398,

91.9024.

# 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

80.2330, 90.8398, 91.9024

### Protanopia

86.6193, 90.5662, 88.5170

### Deuteranopia

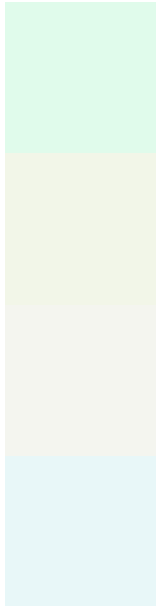
88.7223, 90.5814, 96.8122



## Tritanopia

85.6275, 90.5293, 107.5686

# Trichromacy



## Original Color

80.2330, 90.8398, 91.9024

## Protanomaly

84.1392, 90.6150, 89.3998

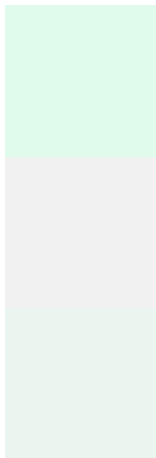
## Deuteranomaly

85.5406, 90.7699, 94.6732

## Tritanomaly

83.4828, 90.4546, 101.8664

# Monochromacy



## Original Color

80.2330, 90.8398, 91.9024

## Achromatopsia

83.6081, 87.9622, 95.7909

## Achromatomaly

82.4933, 89.1990, 94.5306

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 80.2330, 90.8398, 91.9024 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(224, 251, 235)` looks like.

```
.text, #text, p{  
    color:rgb(224, 251, 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(224, 251, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 251, 235) }
```

## Border

The CSS property to change the border of an element to XYZ 80.2330, 90.8398, 91.9024 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(224, 251, 235) }
```



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

```
.border{ border-color:rgb(224, 251, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 251, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 251, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 251, 235);  
box-shadow:4px 4px 4px 4px rgb(224, 251,  
235) }
```

# Background

The CSS property to change the background color of an element to XYZ 80.2330, 90.8398, 91.9024 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 251, 235) }
```

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

```
.background{ background-color: rgb(224,  
251, 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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