

# Converting Colors

XYZ(76.0386, 86.9721, 94.6419)

Have a look what the booklet for  
XYZ(76.0386, 86.9721, 94.6419)  
contains.

<b>XYZ(75.9921, 86.7506, 94.4007)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(75.9921, 86.7506,  
94.4007)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D4F7EF
RGB	212, 247, 239
RGB Percent	83%, 97%, 94%
CMY	0.1686, 0.0314, 0.0627
CMYK	0.14, 0.00, 0.03, 0.03
HSL	166°, 69%, 90%
HSV	166°, 14%, 97%
XYZ	75.9921, 86.7506, 94.4007
YIQ	235.6230, -18.2920, -9.9080

# Conversions

## Conversions Part 2

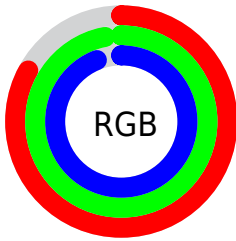
Format	Color
R <sub>Y</sub> B	212, 232, 247
Decimal	13957103
CIE Lab	94.63, -12.80, 0.04
CIE LCh	95, 12.797, 179.831
Yxy	86.7506, 0.2955, 0.3374
Android (android.graphics.Color)	4292147183 (0xFFD4F7EF)
YUV	235.6230, 1.6649, -20.7174
Hunter-Lab	93.1400, -17.3584, 5.1055

# Details

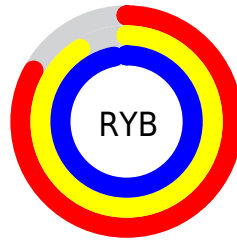
The XYZ color **75.9921, 86.7506, 94.4007** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **74.8226, 72.0306, 77.6736**, and the grayscale version is **79.4403, 83.5774, 91.0158**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.0827, 47.8486, 51.8702** is the 20% darker color. If you saturate the color by 10%, you get **68.5883, 83.0311, 89.7678**, and if you desaturate by 10%, it is **84.5161, 91.0493, 99.2258**.

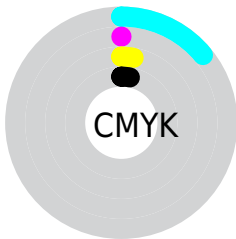
# Distribution



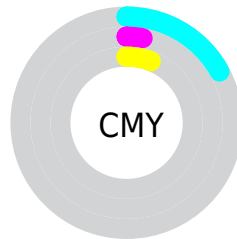
- Red (83%)
- Green (97%)
- Blue (94%)



- Red (83%)
- Yellow (91%)
- Blue (97%)



- Cyan (14%)
- Magenta (0%)
- Yellow (3%)
- Black (3%)



- Cyan (17%)
- Magenta (3%)
- Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.9921, 86.7506, 94.4007 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 75.9921, 86.7506, 94.4007 by changing the saturation by 10% instead.



75.9921, 86.7506,  
94.4007

75.9921, 86.7506,  
94.4007

470.2655,  
517.4030, 563.1799

56.7231, 65.2888,  
71.0421

126.6962,  
142.8165, 155.4248

41.0222, 47.6953,  
51.8945

158.8619,  
178.1894, 193.9275

28.5242, 33.5857,  
36.5394

196.0572,  
218.9681, 238.3153

18.8636, 22.5755,  
24.5581

238.6475,  
265.5370, 289.0067

11.6752, 14.2804,  
15.5321

286.9981,  
318.2806, 346.4204

6.5935, 8.3159,  
9.0429

341.4744,

3.2533, 4.2978,

377.5832, 410.9747

4.6720

402.4418,  
443.8292, 483.0884

■ 1.2891, 1.8415,  
2.0008

■ 0.1750, 0.5128,  
0.5558

■ 75.9921, 86.7506,  
94.4007

■ 75.9921, 86.7506,  
94.4007

■ 68.5883, 83.0311,  
89.7678

■ 84.5161, 91.0493,  
99.2258

■ 62.2479, 79.8544,  
85.3178

■ 91.8044, 94.7056,  
104.1285

■ 56.9198, 77.1966,  
81.0487

■ 92.5524, 95.0048,  
108.0675

■ 52.5460, 75.0279,  
76.9568

■ 49.0625, 73.3152,  
73.0376

■ 46.3970, 72.0214,  
69.2866

■ 44.4660, 71.1033,  
65.6984

■ 43.1671, 70.5083,  
62.2670

■ 42.6144, 70.2656,  
60.3346

# Harmonies

## Analogous

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



76.8468, 86.7506, 85.2209



75.9921, 86.7506, 94.4007



76.8282, 86.7506, 104.2331

# Triad

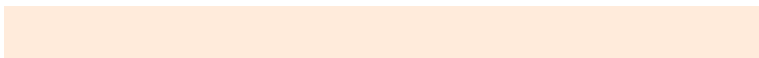
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.9921, 86.7506, 94.4007



85.8003, 86.7506, 111.9277



85.8351, 86.7506, 78.9551

# Complementary

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



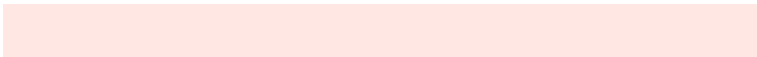
75.9921, 86.7506, 94.4007



74.8226, 72.0306, 77.6736

# 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.



88.3477, 86.7506, 85.3115



75.9921, 86.7506, 94.4007



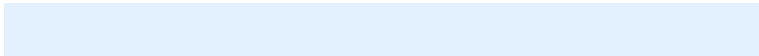
88.3272, 86.7506, 104.3367

# Square

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



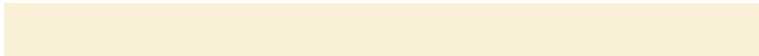
75.9921, 86.7506, 94.4007



82.4343, 86.7506, 114.7723



89.2719, 86.7506, 94.5126



82.4734, 86.7506, 76.6921

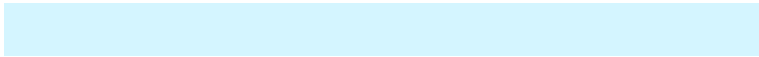


# Rectangle

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



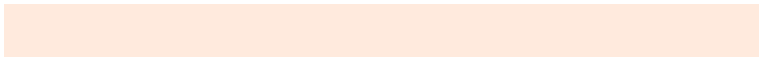
75.9921, 86.7506, 94.4007



78.2456, 86.7506, 109.7419



89.2719, 86.7506, 94.5126



86.8104, 86.7506, 80.6610

# Sweetspot

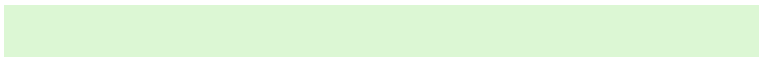
The Sweet Spot groups the original color and five complimentary colors.



75.9946, 86.7542, 94.4026



91.0232, 97.9672, 106.7634



74.7128, 86.5204, 75.0509



19.3254, 20.8897, 22.7665



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

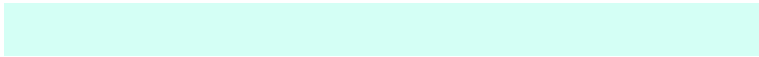


# Same Dimension

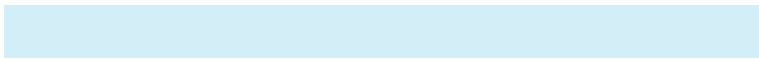
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.9946, 86.7542, 94.4026



79.3055, 92.0630, 100.0468



74.4201, 81.6708, 99.8417



16.8251, 18.6892, 20.3633



22.5930, 37.1820, 32.2063



2.0243, 3.2834, 3.0339



# Inverse Universe

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



74.8226, 72.0306, 77.6736



77.8223, 73.4226, 78.8702



76.1889, 76.4193, 73.0234



16.6543, 16.5446, 17.9262



20.7142, 10.6291, 3.2036



1.8583, 0.9493, 0.4801



# Previews

## White Background



This preview shows how the XYZ color 75.9921, 86.7506, 94.4007 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

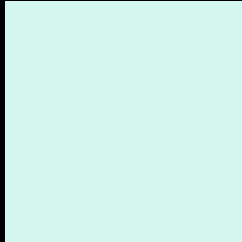
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.9921, 86.7506, 94.4007 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

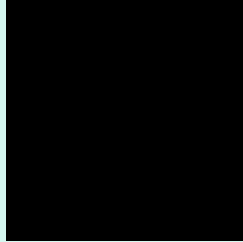
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

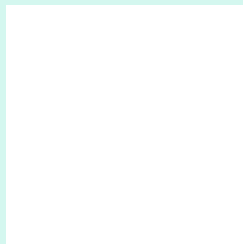
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 75.9921, 86.7506, 94.4007**

## **Background**



This preview shows how black text looks on a background with the XYZ color 75.9921, 86.7506, 94.4007.



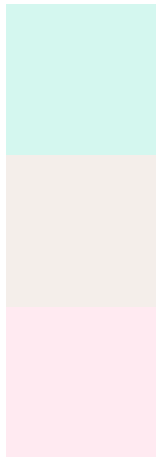
This preview shows how white text looks on a background with the XYZ color 75.9921, 86.7506,

94.4007.

# 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

75.9921, 86.7506, 94.4007

### Protanopia

82.7340, 86.3227, 90.1433

### Deuteranopia

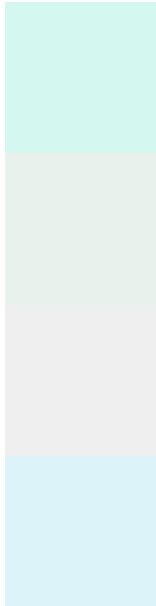
86.5400, 86.4565, 95.3457



## Tritanopia

80.5426, 86.5716, 107.0727

# Trichromacy



## Original Color

75.9921, 86.7506, 94.4007

## Protanomaly

79.8743, 86.1225, 91.7704

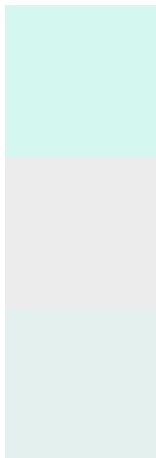
## Deuteranomaly

82.1913, 86.3750, 94.7782

## Tritanomaly

78.9648, 86.7566, 102.2063

# Monochromacy



## Original Color

75.9921, 86.7506, 94.4007

## Achromatopsia

79.7278, 83.8799, 91.3452

## Achromatomaly

78.1247, 84.7655, 92.3645

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.9921, 86.7506, 94.4007 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(212, 247, 239)` looks like.

```
.text, #text, p{  
    color:rgb(212, 247, 239)  
}
```

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(212, 247, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 247, 239) }
```

## Border

The CSS property to change the border of an element to XYZ 75.9921, 86.7506, 94.4007 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(212, 247, 239) }
```



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

```
.border{ border-color:rgb(212, 247, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 247, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 247, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 247, 239);  
box-shadow:4px 4px 4px 4px rgb(212, 247,  
239) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.9921, 86.7506, 94.4007 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 247, 239) }
```

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

```
.background{ background-color: rgb(212,  
247, 239) }
```

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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