

# Converting Colors

XYZ(75.5339, 81.4430, 99.2413)

Have a look what the booklet for  
XYZ(75.5339, 81.4430, 99.2413)  
contains.

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# Color

**XYZ(75.5434, 81.5502,  
98.9480)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DAECF6
RGB	218, 236, 246
RGB Percent	85%, 93%, 96%
CMY	0.1451, 0.0745, 0.0353
CMYK	0.11, 0.04, 0.00, 0.04
HSL	201°, 61%, 91%
HSV	201°, 11%, 96%
XYZ	75.5434, 81.5502, 98.9480
YIQ	231.7580, -13.9380, -0.7060

# Conversions

## Conversions Part 2

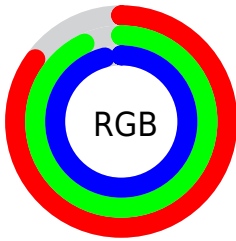
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	218, 229, 246
Decimal	14347510
CIE <sub>Lab</sub>	92.38, -3.99, -6.87
CIE <sub>LCh</sub>	92, 7.940, 239.862
Y <sub>xy</sub>	81.5502, 0.2950, 0.3185
Android (android.graphics.Color)	4292537590 (0xFFDAECF6)
Y <sub>UV</sub>	231.7580, 7.0213, -12.0658
Hunter-Lab	90.3051, -8.7125, -1.7509

# Details

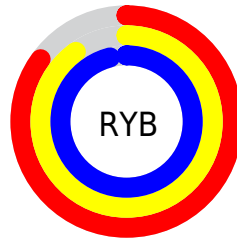
The XYZ color **75.5434, 81.5502, 98.9480** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **78.4046, 80.1409, 77.6673**, and the grayscale version is **76.4794, 80.4623, 87.6235**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.7198, 44.1468, 55.0902** is the 20% darker color. If you saturate the color by 10%, you get **66.2597, 73.1044, 97.8084**, and if you desaturate by 10%, it is **86.0480, 90.8144, 100.1838**.

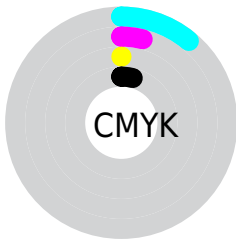
# Distribution



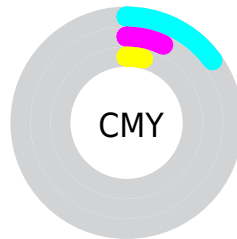
- Red (85%)
- Green (93%)
- Blue (96%)



- Red (85%)
- Yellow (90%)
- Blue (96%)



- Cyan (11%)
- Magenta (4%)
- Yellow (0%)
- Black (4%)



- Cyan (15%)
- Magenta (7%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.5434, 81.5502, 98.9480 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 75.5434, 81.5502, 98.9480 by changing the saturation by 10% instead.



■ 75.5434, 81.5502,  
98.9480

■ 75.5434, 81.5502,  
98.9480

468.7517,  
500.1419, 578.0324

■ 56.3539, 60.9948,  
74.8103

126.0651,  
135.5430, 161.7500

■ 40.7249, 44.2210,  
54.9567

158.1280,  
169.7493, 201.2513

■ 28.2909, 30.8443,  
38.9687

195.2127,  
209.2747, 246.7110

■ 18.6866, 20.4803,  
26.4277

237.6847,  
254.5036, 298.5474

■ 11.5467, 12.7447,  
16.9153

285.9092,  
305.8203, 357.1793

■ 6.5058, 7.2530,  
10.0128

340.2516,

■ 3.1986, 3.6208,

363.6094, 423.0250

5.3017

401.0773,  
428.2551, 496.5032

■ 1.2596, 1.4638,  
2.3635

■ 0.1527, 0.2630,  
0.7665

■ 75.5434, 81.5502,  
98.9480

■ 75.5434, 81.5502,  
98.9480

■ 66.2597, 73.1044,  
97.8084

■ 86.0480, 90.8144,  
100.1838

■ 58.1401, 65.4384,  
96.7567

■ 93.1804, 98.5252,  
101.2962

■ 51.1338, 58.5257,  
95.7916

■ 93.6348, 99.4339,  
101.4477

■ 45.1829, 52.3336,  
94.9101

■ 40.2242, 46.8268,  
94.1085

■ 36.1871, 41.9660,  
93.3831

■ 32.9907, 37.7065,  
92.7294

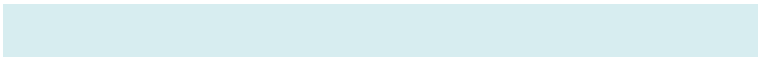
■ 30.5382, 33.9953,  
92.1423

■ 28.8917, 31.1677,  
91.6833

# Harmonies

## Analogous

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



74.1336, 81.5502, 94.5506



75.5434, 81.5502, 98.9480



77.5015, 81.5502, 100.6019

# Triad

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



75.5434, 81.5502, 98.9480



81.5311, 81.5502, 88.8216



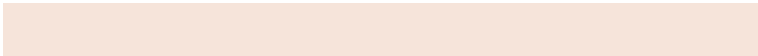
75.5596, 81.5502, 79.3348

# Complementary

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



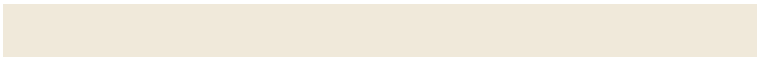
75.5434, 81.5502, 98.9480



78.4046, 80.1409, 77.6673

# Split Complementary

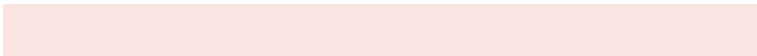
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.5205, 81.5502, 77.9488



75.5434, 81.5502, 98.9480



80.9895, 81.5502, 83.2765

# Square

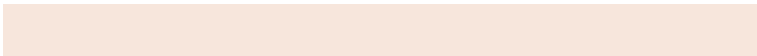
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



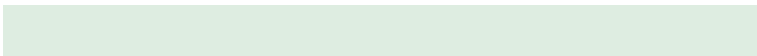
75.5434, 81.5502, 98.9480



80.9797, 81.5502, 94.5999



79.5125, 81.5502, 79.3601



74.1428, 81.5502, 83.2312



# Rectangle

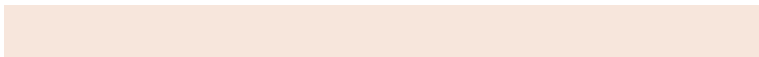
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.5434, 81.5502, 98.9480



78.8617, 81.5502, 99.8719



79.5125, 81.5502, 79.3601



76.1759, 81.5502, 78.5678

# Sweetspot

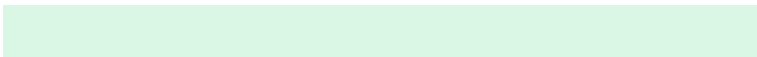
The Sweet Spot groups the original color and five complimentary colors.



75.5458, 81.5536, 98.9498



91.4262, 96.8476, 108.4825



75.8463, 86.4087, 85.9356



19.3661, 20.5520, 23.1962



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

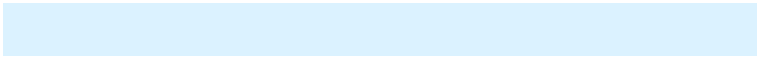


# Same Dimension

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



75.5458, 81.5536, 98.9498



79.1817, 85.9826, 107.0307



71.7237, 73.9094, 97.6758



16.4700, 17.7043, 21.0918



15.5584, 16.9106, 48.9821



1.4643, 1.6800, 4.3373



# Inverse Universe

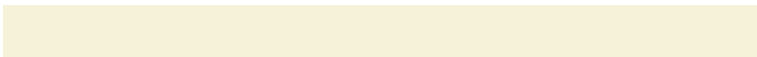
The Inverse Universe completely reimagines the original color for something new.



78.2196, 75.7933, 89.8679



82.7152, 78.5058, 94.9987



82.3549, 88.0414, 78.9840



16.9478, 16.6620, 19.4718



23.6577, 11.8065, 18.7035

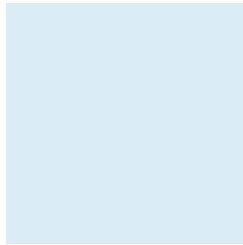


2.1282, 1.0572, 1.9013



# Previews

## White Background



This preview shows how the XYZ color 75.5434, 81.5502, 98.9480 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

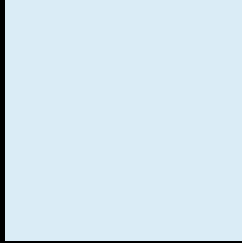
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.5434, 81.5502, 98.9480 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

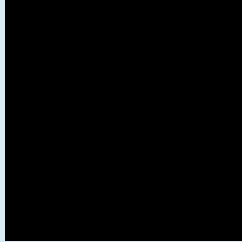
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

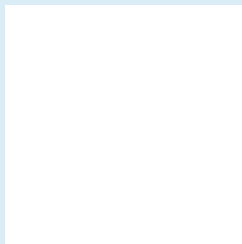
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 75.5434, 81.5502, 98.9480

## Background



This preview shows how black text looks on a background with the XYZ color 75.5434, 81.5502, 98.9480.



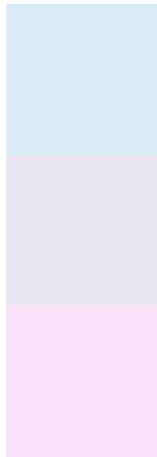
This preview shows how white text looks on a background with the XYZ color 75.5434, 81.5502,



# 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

75.5434, 81.5502, 98.9480

### Protanopia

78.6853, 81.1153, 96.3037

### Deuteranopia

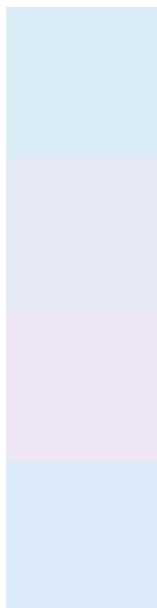
83.2066, 81.3098, 100.1158



## **Tritanopia**

76.6514, 81.5686, 104.6329

# Trichromacy



## Original Color

75.5434, 81.5502, 98.9480

## Protanomaly

77.4630, 81.3035, 97.1984

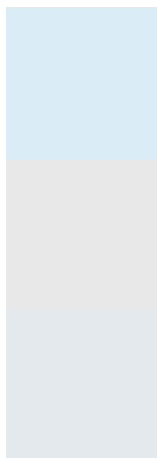
## Deuteranomaly

80.3452, 81.4862, 99.4894

## Tritanomaly

76.1771, 81.3789, 102.1352

# Monochromacy



## Original Color

75.5434, 81.5502, 98.9480

## Achromatopsia

76.7008, 80.6952, 87.8771

## Achromatomaly

76.1035, 80.7231, 91.6908

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.5434, 81.5502, 98.9480 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(218, 236, 246)` looks like.

```
.text, #text, p{  
    color:rgb(218, 236, 246)  
}
```

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(218, 236, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 236, 246) }
```

## Border

The CSS property to change the border of an element to XYZ 75.5434, 81.5502, 98.9480 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(218, 236, 246) }
```



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

```
.border{ border-color:rgb(218, 236, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 236, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 236, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 236, 246);  
box-shadow:4px 4px 4px 4px rgb(218, 236,  
246) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.5434, 81.5502, 98.9480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 236, 246) }
```

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

```
.background{ background-color: rgb(218,  
236, 246) }
```

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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