

Converting Colors

XYZ(68.7835, 75.0968, 78.5191)

Have a look what the booklet for
XYZ(68.7835, 75.0968, 78.5191)
contains.

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Color

**XYZ(68.9806, 75.2530,
78.5998)**

Conversions

Conversions Part 1

Format	Color
Hex	D8E4DC
RGB	216, 228, 220
RGB Percent	85%, 89%, 86%
CMY	0.1529, 0.1059, 0.1372
CMYK	0.05, 0.00, 0.04, 0.11
HSL	140°, 18%, 87%
HSV	140°, 5%, 89%
XYZ	68.9806, 75.2530, 78.5998
YIQ	223.5000, -4.5840, -5.0320

Conversions

Conversions Part 2

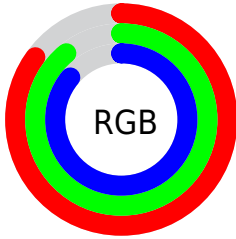
Format	Color
R_{YB}	216, 225, 228
Decimal	14214364
CIE Lab	89.51, -5.46, 2.50
CIE LCh	90, 6.007, 155.357
Yxy	75.2530, 0.3096, 0.3377
Android (android.graphics.Color)	4292404444 (0xFFD8E4DC)
YUV	223.5000, -1.7255, -6.5775
Hunter-Lab	86.7485, -9.8703, 7.0033

Details

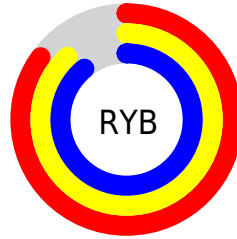
The XYZ color **68.9806, 75.2530, 78.5998** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **70.0081, 70.9895, 80.5372**, and the grayscale version is **70.5109, 74.1830, 80.7852**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.4330, 40.1808, 41.4328** is the 20% darker color. If you saturate the color by 10%, you get **60.7837, 71.2516, 68.1799**, and if you desaturate by 10%, it is **78.2996, 79.8159, 90.0312**.

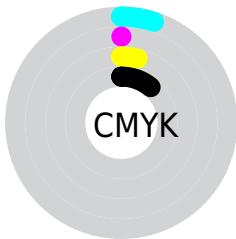
Distribution



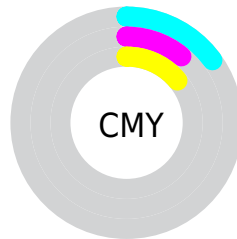
- Red (85%)
- Green (89%)
- Blue (86%)



- Red (85%)
- Yellow (88%)
- Blue (89%)



- Cyan (5%)
- Magenta (0%)
- Yellow (4%)
- Black (11%)



- Cyan (15%)
- Magenta (11%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.9806, 75.2530, 78.5998 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 68.9806, 75.2530, 78.5998 by changing the saturation by 10% instead.

68.9806, 75.2530,
78.5998

68.9806, 75.2530,
78.5998

446.2850,
478.7867, 509.7832

50.9725, 55.8202,
58.0475

116.7881,
126.6704, 133.1889

36.4077, 40.0588,
41.4318

147.3182,
159.4238, 168.0627

24.9208, 27.5844,
28.3344

182.7530,
197.3862, 208.5474

16.1465, 18.0126,
18.3367

223.4578,
240.9420, 255.0615

9.7194, 10.9590,
11.0200

269.7981,
290.4755, 308.0236

5.2741, 6.0393,
5.9660

322.1392,

2.4454, 2.8690,

346.3712, 367.8522

2.7559

380.8463,
409.0135, 434.9659

■ 0.8678, 1.0637,
0.9714

■ 0.0000, 0.0000,
0.0000

■ 68.9806, 75.2530,
78.5998

■ 68.9806, 75.2530,
78.5998

■ 60.7837, 71.2516,
68.1799

■ 78.2996, 79.8159,
90.0312

■ 53.6594, 67.7805,
58.7392

■ 86.3040, 83.6773,
102.3799

■ 47.5638, 64.8197,
50.2507

■ 87.0348, 83.9696,
106.2283

■ 42.4477, 62.3444,
42.6846

■ 38.2574, 60.3276,
36.0092

■ 34.9341, 58.7397,
30.1912

■ 32.4117, 57.5473,
25.1952

■ 30.6140, 56.7120,
20.9829

■ 29.4484, 56.1867,
17.5129

Harmonies

Analogous

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



69.8983, 75.2530, 75.4949



68.9806, 75.2530, 78.5998



68.7410, 75.2530, 82.6978

Triad

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



68.9806, 75.2530, 78.5998



71.7906, 75.2530, 90.2873



73.8620, 75.2530, 77.3302

Complementary

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



68.9806, 75.2530, 78.5998



70.0081, 70.9895, 80.5372

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.



74.3846, 75.2530, 81.1823



68.9806, 75.2530, 78.5998



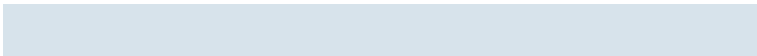
73.1782, 75.2530, 88.7371

Square

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



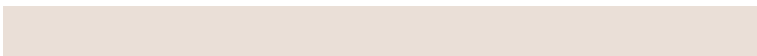
68.9806, 75.2530, 78.5998



70.3505, 75.2530, 89.5386



74.1327, 75.2530, 85.3688



72.7139, 75.2530, 74.7797

Rectangle

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



68.9806, 75.2530, 78.5998



68.9952, 75.2530, 85.4630



74.1327, 75.2530, 85.3688



74.1174, 75.2530, 78.5107

Sweetspot

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



68.9827, 75.2562, 78.6014



92.6558, 98.8284, 105.9554



70.9435, 76.3275, 75.9605



19.8572, 21.1656, 22.7098



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.



68.9827, 75.2562, 78.6014



88.0441, 96.5731, 100.2251



69.7649, 75.5691, 82.7202



14.9133, 16.4255, 16.9639



16.8221, 32.3609, 9.5633



1.2850, 2.4081, 0.9272

Inverse Universe

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



70.0081, 70.9895, 80.5372



89.5517, 90.2996, 103.0712



69.2342, 70.6800, 76.4621



15.1944, 15.2560, 17.4945



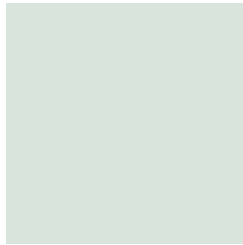
21.8058, 10.8566, 18.4044



1.6540, 0.8193, 1.5847

Previews

White Background



This preview shows how the XYZ color 68.9806, 75.2530, 78.5998 looks on a white background.

Color Contrast Check

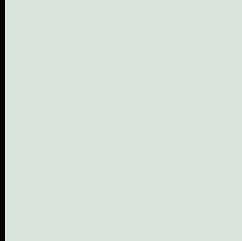
Large Text (above 18pt) WCAG AA × Fail

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 68.9806, 75.2530, 78.5998 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

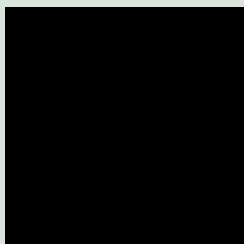
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

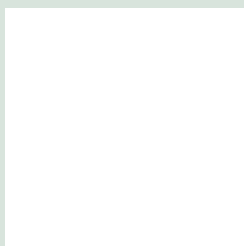
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.9806, 75.2530, 78.5998

Background



This preview shows how black text looks on a background with the XYZ color 68.9806, 75.2530, 78.5998.

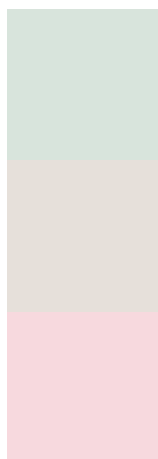


This preview shows how white text looks on a background with the XYZ color 68.9806, 75.2530,

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

68.9806, 75.2530, 78.5998

Protanopia

71.9437, 75.1963, 77.0522

Deuteranopia

76.3554, 74.6738, 79.4964



Tritanopia

72.4674, 75.4769, 94.7535

Trichromacy



Original Color

68.9806, 75.2530, 78.5998

Protanomaly

70.7627, 74.9725, 77.7594

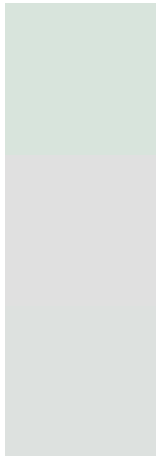
Deuteranomaly

73.4997, 74.7662, 78.9641

Tritanomaly

71.2611, 75.3933, 88.6384

Monochromacy



Original Color

68.9806, 75.2530, 78.5998

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

70.0633, 74.5503, 80.5090

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.9806, 75.2530, 78.5998 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(216, 228, 220) looks like.

```
.text, #text, p{  
    color:rgb(216, 228, 220)  
}
```

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(216, 228, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 228, 220) }
```

Border

The CSS property to change the border of an element to XYZ 68.9806, 75.2530, 78.5998 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(216, 228, 220) }
```


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

```
.border{ border-color:rgb(216, 228, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 228, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 228, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 228, 220);  
box-shadow:4px 4px 4px 4px rgb(216, 228,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 68.9806, 75.2530, 78.5998 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 228, 220) }
```

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

```
.background{ background-color: rgb(216,  
228, 220) }
```

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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