

Converting Colors

XYZ(68.0260, 75.4301, 85.7760)

Have a look what the booklet for
XYZ(68.0260, 75.4301, 85.7760)
contains.

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Color

**XYZ(68.0333, 75.4286,
85.8363)**

Conversions

Conversions Part 1

Format	Color
Hex	CEE6E6
RGB	206, 230, 230
RGB Percent	81%, 90%, 90%
CMY	0.1921, 0.0980, 0.0980
CMYK	0.10, 0.00, 0.00, 0.10
HSL	180°, 32%, 85%
HSV	180°, 10%, 90%
XYZ	68.0333, 75.4286, 85.8363
YIQ	222.8240, -14.3040, -5.0880

Conversions

Conversions Part 2

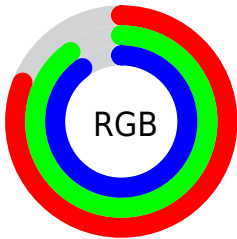
Format	Color
R _Y B	206, 218, 230
Decimal	13559526
CIE Lab	89.59, -7.88, -2.70
CIE LCh	90, 8.329, 198.910
Yxy	75.4286, 0.2967, 0.3290
Android (android.graphics.Color)	4291749606 (0xFFCEE6E6)
YUV	222.8240, 3.5378, -14.7546
Hunter-Lab	86.8496, -12.1596, 2.1965

Details

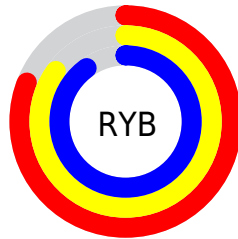
The XYZ color **68.0333, 75.4286, 85.8363** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **65.8477, 65.4238, 67.5534**, and the grayscale version is **69.9990, 73.6444, 80.1988**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.0167, 40.4305, 46.4630** is the 20% darker color. If you saturate the color by 10%, you get **62.1096, 72.3769, 85.5582**, and if you desaturate by 10%, it is **74.8957, 78.9683, 86.1615**.

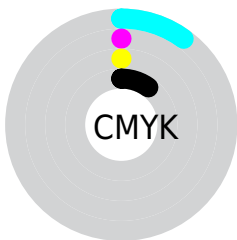
Distribution



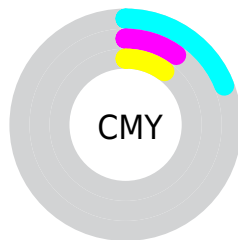
- Red (81%)
- Green (90%)
- Blue (90%)



- Red (81%)
- Yellow (85%)
- Blue (90%)



- Cyan (10%)
- Magenta (0%)
- Yellow (0%)
- Black (10%)



- Cyan (19%)
- Magenta (10%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.0333, 75.4286, 85.8363 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 68.0333, 75.4286, 85.8363 by changing the saturation by 10% instead.

■ 68.0333, 75.4286,
85.8363

■ 68.0333, 75.4286,
85.8363

442.9889,
479.3894, 534.6079

■ 50.1986, 55.9641,
63.9785

115.4414,
126.9189, 143.4255

■ 35.7897, 40.1741,
46.1872

145.7456,
159.7134, 179.9941

■ 24.4412, 27.6743,
32.0438

180.9369,
197.7201, 222.3032

■ 15.7877, 18.0803,
21.1299

221.3808,
241.3233, 270.7716

■ 9.4639, 11.0077,
13.0268

267.4426,
290.9075, 325.8177

■ 5.1045, 6.0720,
7.3161

319.4876,

■ 2.3441, 2.8889,

346.8570, 387.8601

3.5791

377.8812,
409.5561, 457.3173

■ 0.8171, 1.0740,
1.3974

■ 0.0000, 0.0000,
0.1397

■ 68.0333, 75.4286,
85.8363

■ 68.0333, 75.4286,
85.8363

■ 62.1096, 72.3769,
85.5582

■ 74.8957, 78.9683,
86.1615

■ 57.0778, 69.7830,
85.3203

■ 82.7282, 83.0060,
86.5305

■ 52.8965, 67.6275,
85.1221

■ 83.8228, 83.5703,
86.5842

■ 49.5189, 65.8863,
84.9616

■ 83.8232, 83.5704,
86.5867

■ 46.8933, 64.5329,
84.8363

■ 83.8237, 83.5706,
86.5891

■ 44.9623, 63.5375,
84.7434

■ 83.8242, 83.5708,
86.5916

■ 43.6602, 62.8662,
84.6800

■ 83.8247, 83.5710,
86.5941

■ 42.9084, 62.4787,
84.6424

■ 83.8251, 83.5712,
86.5966

■ 42.5771, 62.3080,
84.6246

■ 83.8256, 83.5714,
86.5990

Harmonies

Analogous

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



67.8992, 75.4286, 79.9797



68.0333, 75.4286, 85.8363



69.1368, 75.4286, 90.9205

Triad

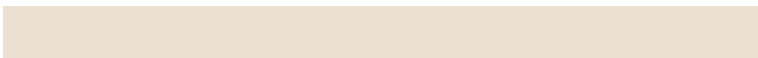
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.0333, 75.4286, 85.8363



74.7000, 75.4286, 89.7624



72.4524, 75.4286, 71.5567

Complementary

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



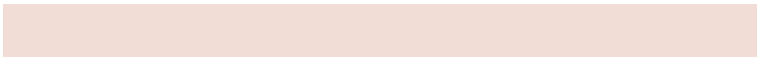
68.0333, 75.4286, 85.8363



65.8477, 65.4238, 67.5534

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.



74.3107, 75.4286, 73.9231



68.0333, 75.4286, 85.8363



75.6247, 75.4286, 84.3163

Square

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



68.0333, 75.4286, 85.8363



72.9757, 75.4286, 93.2607



75.4809, 75.4286, 78.5299



70.4247, 75.4286, 71.9202

Rectangle

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



68.0333, 75.4286, 85.8363



70.2857, 75.4286, 93.1010



75.4809, 75.4286, 78.5299



73.1182, 75.4286, 72.0546

Sweetspot

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



68.0355, 75.4318, 85.8380



92.2911, 98.5778, 108.7700



65.0043, 74.2322, 69.2958



19.6003, 21.0204, 23.2740



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.



68.0355, 75.4318, 85.8380



83.8875, 94.2456, 108.3735



64.9139, 69.1879, 84.7999



14.8074, 16.3364, 18.5166



24.1036, 35.2736, 47.9075



1.7812, 2.6066, 3.5404

Inverse Universe

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



65.8477, 65.4238, 67.5534



80.4868, 78.6890, 79.9517



68.7442, 71.2175, 68.5168



14.3771, 14.3680, 14.9204



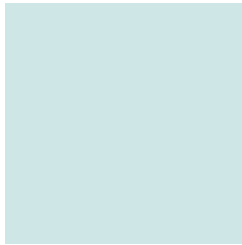
18.4752, 9.5243, 0.8654



1.3653, 0.7038, 0.0641

Previews

White Background



This preview shows how the XYZ color 68.0333, 75.4286, 85.8363 looks on a white background.

Color Contrast Check

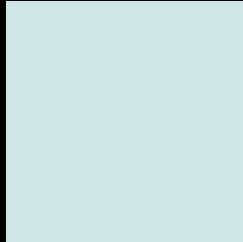
Large Text (above 18pt) WCAG AA × Fail

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 68.0333, 75.4286, 85.8363 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

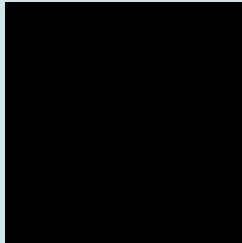
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

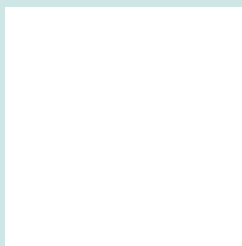
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.0333, 75.4286, 85.8363

Background



This preview shows how black text looks on a background with the XYZ color 68.0333, 75.4286, 85.8363.

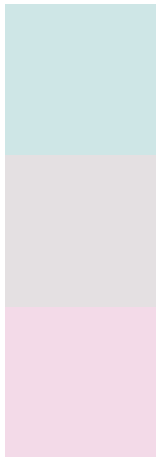


This preview shows how white text looks on a background with the XYZ color 68.0333, 75.4286,

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

68.0333, 75.4286, 85.8363

Protanopia

72.3780, 75.2963, 82.6704

Deuteranopia

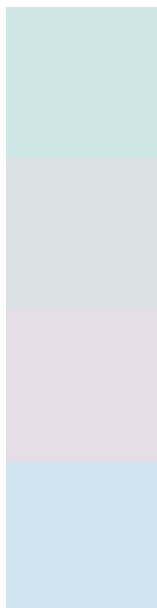
76.5990, 75.0237, 86.7877



Tritanopia

70.6725, 75.6959, 98.0747

Trichromacy



Original Color

68.0333, 75.4286, 85.8363

Protanomaly

70.5767, 75.1544, 83.4595

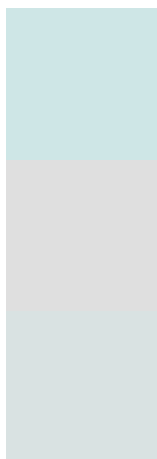
Deuteranomaly

73.1782, 74.8351, 86.1890

Tritanomaly

69.7599, 75.7398, 93.3806

Monochromacy



Original Color

68.0333, 75.4286, 85.8363

Achromatopsia

70.1384, 73.7910, 80.3584

Achromatomaly

69.5391, 74.6354, 82.6925

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.0333, 75.4286, 85.8363 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(206, 230, 230)` looks like.

```
.text, #text, p{  
    color:rgb(206, 230, 230)  
}
```

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(206, 230, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 230, 230) }
```

Border

The CSS property to change the border of an element to XYZ 68.0333, 75.4286, 85.8363 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(206, 230, 230) }
```


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

```
.border{ border-color:rgb(206, 230, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 230, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 230, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 230, 230);  
box-shadow:4px 4px 4px 4px rgb(206, 230,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 68.0333, 75.4286, 85.8363 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 230, 230) }
```

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

```
.background{ background-color: rgb(206,  
230, 230) }
```

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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