

Converting Colors

XYZ(66.6561, 75.8685, 71.7095)

Have a look what the booklet for
XYZ(66.6561, 75.8685, 71.7095)
contains.

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Color

**XYZ(66.6597, 75.8720,
71.4530)**

Conversions

Conversions Part 1

Format	Color
Hex	D1E8D1
RGB	209, 232, 209
RGB Percent	82%, 91%, 82%
CMY	0.1804, 0.0902, 0.1804
CMYK	0.10, 0.00, 0.10, 0.09
HSL	120°, 33%, 86%
HSV	120°, 10%, 91%
XYZ	66.6597, 75.8720, 71.4530
YIQ	222.5010, -6.3250, -12.0290

Conversions

Conversions Part 2

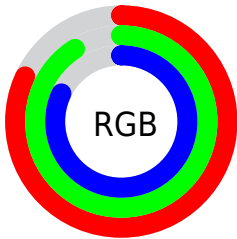
Format	Color
R _Y B	209, 232, 232
Decimal	13756625
CIE Lab	89.80, -11.80, 8.61
CIE LCh	90, 14.609, 143.873
Yxy	75.8720, 0.3115, 0.3546
Android (android.graphics.Color)	4291946705 (0xFFD1E8D1)
YUV	222.5010, -6.6560, -11.8404
Hunter-Lab	87.1045, -15.8298, 12.3368

Details

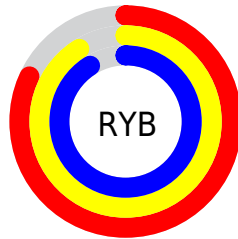
The XYZ color **66.6597, 75.8720, 71.4530** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **70.6474, 68.5847, 85.8622**, and the grayscale version is **69.8360, 73.4729, 80.0120**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **34.7682, 40.2873, 36.9541** is the 20% darker color. If you saturate the color by 10%, you get **57.9013, 71.6671, 57.1254**, and if you desaturate by 10%, it is **76.7965, 80.7435, 88.0317**.

Distribution



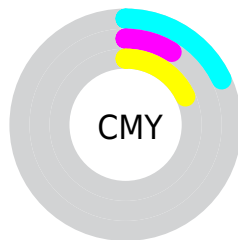
- Red (82%)
- Green (91%)
- Blue (82%)



- Red (82%)
- Yellow (91%)
- Blue (91%)



- Cyan (10%)
- Magenta (0%)
- Yellow (10%)
- Black (9%)



- Cyan (18%)
- Magenta (9%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.6597, 75.8720, 71.4530 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 66.6597, 75.8720, 71.4530 by changing the saturation by 10% instead.

66.6597, 75.8720,
71.4530

66.6597, 75.8720,
71.4530

438.1840,
480.9094, 484.5617

49.0778, 56.3276,
52.2279

113.4852,
127.5460, 122.9790

34.8960, 40.4656,
36.8032

143.4594,
160.4443, 156.1169

23.7489, 27.9018,
24.7606

178.2952,
198.5626, 194.7295

15.2712, 18.2516,
15.6814

218.3578,
242.2855, 239.2354

9.0975, 11.1308,
9.1471

264.0127,
291.9972, 290.0530

4.8624, 6.1549,
4.7391

315.6251,

2.2007, 2.9395,

348.0821, 347.6009

2.0390

373.5604,
410.9248, 412.2976

■ 0.7431, 1.1002,
0.5791

■ 0.0000, 0.0000,
0.0000

■ 66.6597, 75.8720,
71.4530

■ 66.6597, 75.8720,
71.4530

■ 57.9013, 71.6671,
57.1254

■ 76.7965, 80.7435,
88.0317

■ 50.4558, 68.0907,
44.9470

■ 88.1481, 86.1962,
106.5994

■ 44.2620, 65.1155,
34.8160

■ 39.2512, 62.7085,
26.6198

■ 35.3480, 60.8336,
20.2354

■ 32.4686, 59.4505,
15.5254

■ 30.5170, 58.5131,
12.3331

■ 29.3793, 57.9666,
10.4721

■ 28.8617, 57.7179,
9.6253

Harmonies

Analogous

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



69.3454, 75.8720, 65.7578



66.6597, 75.8720, 71.4530



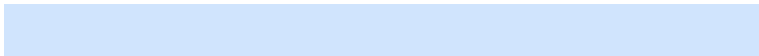
65.4401, 75.8720, 80.5111

Triad

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



66.6597, 75.8720, 71.4530



71.3768, 75.8720, 103.9605



78.6393, 75.8720, 74.8363

Complementary

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



66.6597, 75.8720, 71.4530



70.6474, 68.5847, 85.8622

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.



79.2270, 75.8720, 84.7486



66.6597, 75.8720, 71.4530



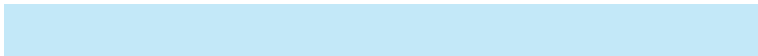
74.9555, 75.8720, 102.1243

Square

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



66.6597, 75.8720, 71.4530



68.1045, 75.8720, 99.7033



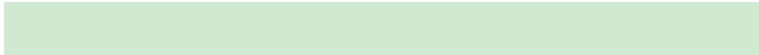
77.8581, 75.8720, 94.8756



76.2779, 75.8720, 67.5943

Rectangle

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



66.6597, 75.8720, 71.4530



65.5926, 75.8720, 87.4627



77.8581, 75.8720, 94.8756



79.0540, 75.8720, 77.9435

Sweetspot

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



66.6618, 75.8752, 71.4547



91.0839, 98.0949, 102.4128



73.6473, 79.4764, 71.7812



19.2746, 20.8901, 21.5589



0.0000, 0.0000, 0.0000



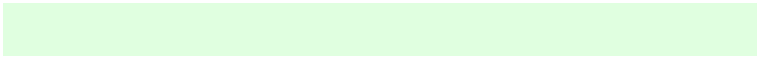
20.3446, 21.4041, 23.3091

Same Dimension

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



66.6618, 75.8752, 71.4547



80.1336, 92.8349, 84.5017



68.1380, 76.4657, 79.2282



14.1894, 16.0892, 15.2622



16.0201, 32.0401, 5.3401



1.1838, 2.3677, 0.3946

Inverse Universe

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



70.6474, 68.5847, 85.8622



86.0532, 82.0065, 105.9005



69.0662, 67.9522, 77.5360



14.9952, 14.6153, 18.1749



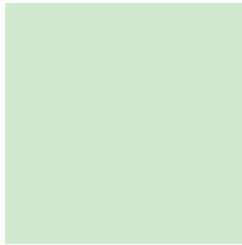
26.5608, 12.7585, 43.4438



1.9628, 0.9428, 3.2104

Previews

White Background



This preview shows how the XYZ color 66.6597, 75.8720, 71.4530 looks on a white background.

Color Contrast Check

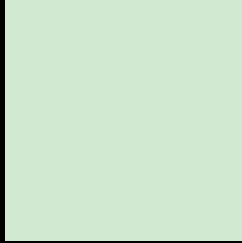
Large Text (above 18pt) WCAG AA × Fail

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 66.6597, 75.8720, 71.4530 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

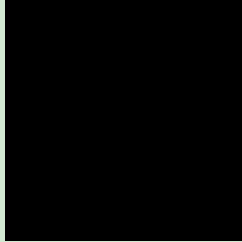
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

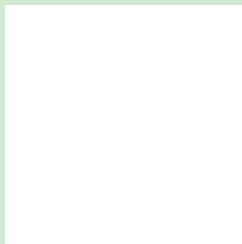
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 66.6597, 75.8720, 71.4530

Background



This preview shows how black text looks on a background with the XYZ color 66.6597, 75.8720, 71.4530.



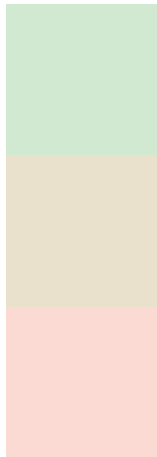
This preview shows how white text looks on a background with the XYZ color 66.6597, 75.8720,

71.4530.

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

66.6597, 75.8720, 71.4530

Protanopia

71.8763, 75.7506, 68.5907

Deuteranopia

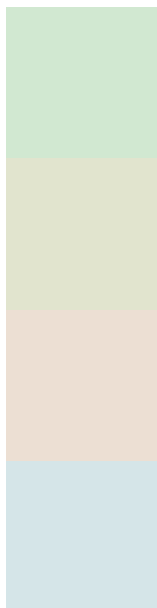
77.1000, 75.5917, 72.8144



Tritanopia

71.9748, 75.9778, 97.2579

Trichromacy



Original Color

66.6597, 75.8720, 71.4530

Protanomaly

69.9353, 75.9506, 69.3665

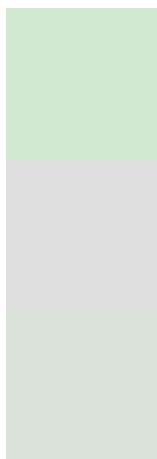
Deuteranomaly

72.7376, 75.3114, 72.3309

Tritanomaly

70.0254, 76.0110, 87.3248

Monochromacy



Original Color

66.6597, 75.8720, 71.4530

Achromatopsia

70.1384, 73.7910, 80.3584

Achromatomaly

68.7647, 74.3601, 77.0583

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.6597, 75.8720, 71.4530 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(209, 232, 209)` looks like.

```
.text, #text, p{  
    color:rgb(209, 232, 209)  
}
```

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(209, 232, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 232, 209) }
```

Border

The CSS property to change the border of an element to XYZ 66.6597, 75.8720, 71.4530 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(209, 232, 209) }
```


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

```
.border{ border-color:rgb(209, 232, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 232, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 232, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 232, 209);  
box-shadow:4px 4px 4px 4px rgb(209, 232,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 66.6597, 75.8720, 71.4530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 232, 209) }
```

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

```
.background{ background-color: rgb(209,  
232, 209) }
```

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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