

Converting Colors

XYZ(67.4774, 71.6373, 96.5053)

Have a look what the booklet for
XYZ(67.4774, 71.6373, 96.5053)
contains.

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Color

**XYZ(67.5045, 71.6725,
96.6625)**

Conversions

Conversions Part 1

Format	Color
Hex	CCDEF5
RGB	204, 222, 245
RGB Percent	80%, 87%, 96%
CMY	0.2000, 0.1294, 0.0392
CMYK	0.17, 0.09, 0.00, 0.04
HSL	214°, 67%, 88%
HSV	214°, 17%, 96%
XYZ	67.5045, 71.6725, 96.6625
YIQ	219.2400, -18.1110, 3.3370

Conversions

Conversions Part 2

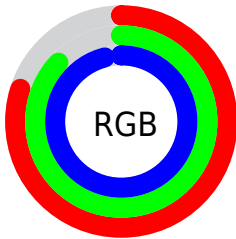
Format	Color
R_{YB}	204, 217, 245
Decimal	13426421
CIE _{Lab}	87.81, -1.36, -13.23
CIE _{LCh}	88, 13.304, 264.144
Yxy	71.6725, 0.2862, 0.3039
Android (android.graphics.Color)	4291616501 (0xFFCCDEF5)
YUV	219.2400, 12.6997, -13.3655
Hunter-Lab	84.6596, -5.8249, -8.4343

Details

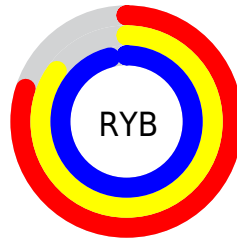
The XYZ color **67.5045, 71.6725, 96.6625** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **76.0248, 78.7100, 68.3137**, and the grayscale version is **67.4238, 70.9351, 77.2484**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.3985, 37.7011, 53.5555** is the 20% darker color. If you saturate the color by 10%, you get **57.8083, 61.4762, 95.2066**, and if you desaturate by 10%, it is **78.5588, 83.0143, 98.2702**.

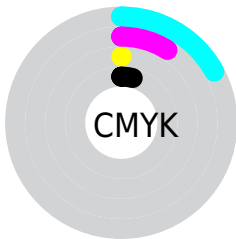
Distribution



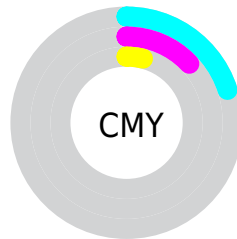
- Red (80%)
- Green (87%)
- Blue (96%)



- Red (80%)
- Yellow (85%)
- Blue (96%)



- Cyan (17%)
- Magenta (9%)
- Yellow (0%)
- Black (4%)



- Cyan (20%)
- Magenta (13%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.5045, 71.6725, 96.6625 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 67.5045, 71.6725, 96.6625 by changing the saturation by 10% instead.

■ 67.5045, 71.6725,
96.6625

■ 67.5045, 71.6725,
96.6625

441.1427,
466.4009, 570.5934

■ 49.7669, 52.8912,
72.9149

114.6888,
121.5908, 158.5747

■ 35.4453, 37.7159,
53.4150

144.8663,
153.4966, 197.5764

■ 24.1742, 25.7623,
37.7442

179.9211,
190.5460, 242.4999

■ 15.5883, 16.6459,
25.4839

220.2186,
233.1234, 293.7638

■ 9.3223, 9.9823,
16.2157

266.1242,
281.6132, 351.7865

■ 5.0108, 5.3872,
9.5209

318.0031,

■ 2.2884, 2.4762,

336.3997, 416.9867

4.9810

376.2209,
397.8675, 489.7828

■ 0.7887, 0.8647,
2.1776

■ 0.0000, 0.0000,
0.6614

■ 67.5045, 71.6725,
96.6625

■ 67.5045, 71.6725,
96.6625

■ 57.8083, 61.4762,
95.2066

■ 78.5588, 83.0143,
98.2702

■ 49.4074, 52.3770,
93.8931

■ 91.0177, 95.5300,
100.0293

■ 42.2435, 44.3359,
92.7186

■ 93.4816, 99.3727,
100.6412

■ 36.2510, 37.3076,
91.6778

■ 31.3575, 31.2430,
90.7651

■ 27.4818, 26.0879,
89.9744

■ 24.5295, 21.7808,
89.2986

■ 22.3834, 18.2475,
88.7297

■ 21.8000, 17.2293,
88.5639

Harmonies

Analogous

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



64.6249, 71.6725, 93.0106



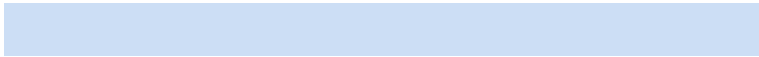
67.5045, 71.6725, 96.6625



70.6384, 71.6725, 95.0207

Triad

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



67.5045, 71.6725, 96.6625



73.8192, 71.6725, 71.1352



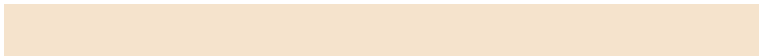
63.3154, 71.6725, 68.2831

Complementary

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



67.5045, 71.6725, 96.6625



76.0248, 78.7100, 68.3137

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.



65.6672, 71.6725, 63.2119



67.5045, 71.6725, 96.6625



71.7442, 71.6725, 64.7672

Square

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



67.5045, 71.6725, 96.6625



74.3479, 71.6725, 79.8281



68.7444, 71.6725, 61.9760



62.2548, 71.6725, 76.2771

Rectangle

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



67.5045, 71.6725, 96.6625



72.4429, 71.6725, 91.2049



68.7444, 71.6725, 61.9760



63.9775, 71.6725, 66.2056

Sweetspot

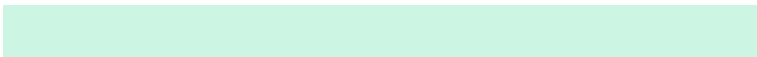
The Sweet Spot groups the original color and five complimentary colors.



67.5066, 71.6755, 96.6641



88.2747, 93.1832, 107.9413



71.3586, 83.6647, 84.7370



18.6973, 19.7456, 23.0758



0.0000, 0.0000, 0.0000



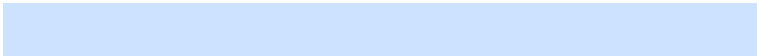
20.3446, 21.4041, 23.3091

Same Dimension

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



67.5066, 71.6755, 96.6641



70.2554, 74.6646, 105.3166



63.5431, 62.9087, 95.1809



16.1799, 17.1241, 20.9951



11.8764, 9.5467, 47.7548



1.1443, 1.0400, 4.2307

Inverse Universe

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



72.4355, 67.8737, 78.3938



76.6145, 69.9584, 81.7005



80.4976, 88.7115, 70.0085



16.8014, 16.6034, 18.7006



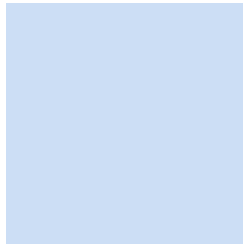
21.7992, 11.0631, 8.9169



1.9667, 0.9926, 1.0508

Previews

White Background



This preview shows how the XYZ color 67.5045, 71.6725, 96.6625 looks on a white background.

Color Contrast Check

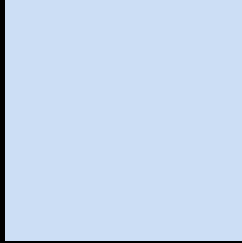
Large Text (above 18pt) WCAG AA × Fail

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 67.5045, 71.6725, 96.6625 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

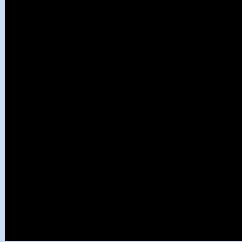
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

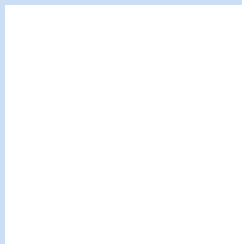
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.5045, 71.6725, 96.6625

Background



This preview shows how black text looks on a background with the XYZ color 67.5045, 71.6725, 96.6625.



This preview shows how white text looks on a background with the XYZ color 67.5045, 71.6725,

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

67.5045, 71.6725, 96.6625

Protanopia

69.8643, 71.3656, 94.8867

Deuteranopia

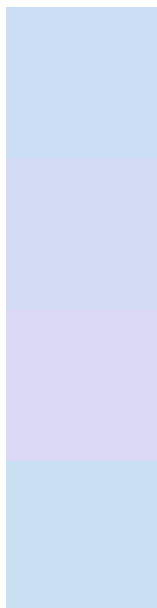
73.1482, 71.4665, 97.9348



Tritanopia

66.7445, 71.7631, 92.7719

Trichromacy



Original Color

67.5045, 71.6725, 96.6625

Protanomaly

68.8120, 71.1917, 95.7025

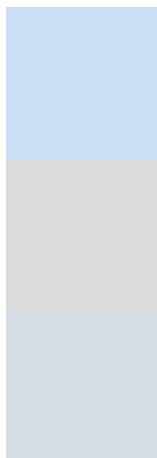
Deuteranomaly

70.9626, 71.4952, 97.2486

Tritanomaly

67.0433, 71.8827, 94.3456

Monochromacy



Original Color

67.5045, 71.6725, 96.6625

Achromatopsia

67.3311, 70.8376, 77.1421

Achromatomaly

67.3283, 71.0840, 83.5708

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.5045, 71.6725, 96.6625 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(204, 222, 245)` looks like.

```
.text, #text, p{  
    color:rgb(204, 222, 245)  
}
```

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(204, 222, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 222, 245) }
```

Border

The CSS property to change the border of an element to XYZ 67.5045, 71.6725, 96.6625 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(204, 222, 245) }
```


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

```
.border{ border-color:rgb(204, 222, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 222, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 222, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 222, 245);  
box-shadow:4px 4px 4px 4px rgb(204, 222,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 67.5045, 71.6725, 96.6625 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 222, 245) }
```

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

```
.background{ background-color: rgb(204,  
222, 245) }
```

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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