

Converting Colors

XYZ(67.8796, 70.6009,
100.5489)

Have a look what the booklet for
XYZ(67.8796, 70.6009, 100.5489)
contains.

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Color

**XYZ(67.7637, 70.5443,
100.4874)**

Conversions

Conversions Part 1

Format	Color
Hex	CDDDBFA
RGB	205, 219, 250
RGB Percent	80%, 86%, 98%
CMY	0.1961, 0.1412, 0.0196
CMYK	0.18, 0.12, 0.00, 0.02
HSL	221°, 82%, 89%
HSV	221°, 18%, 98%
XYZ	67.7637, 70.5443, 100.4874
YIQ	218.3480, -18.2950, 6.6730

Conversions

Conversions Part 2

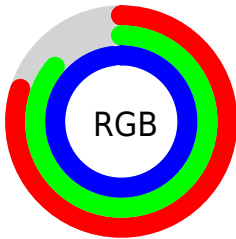
Format	Color
R _Y B	205, 216, 250
Decimal	13491194
CIE Lab	87.26, 1.57, -16.68
CIE LCh	87, 16.756, 275.387
Yxy	70.5443, 0.2838, 0.2954
Android (android.graphics.Color)	4291681274 (0xFFCDDDBFA)
YUV	218.3480, 15.6044, -11.7062
Hunter-Lab	83.9907, -2.9698, -12.1418

Details

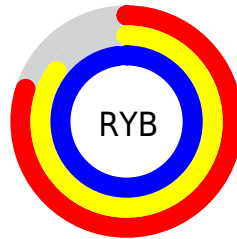
The XYZ color **67.7637, 70.5443, 100.4874** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **80.4399, 84.7227, 69.8728**, and the grayscale version is **66.7871, 70.2653, 76.5189**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.4788, 36.8852, 55.7017** is the 20% darker color. If you saturate the color by 10%, you get **57.1483, 58.7454, 98.7706**, and if you desaturate by 10%, it is **79.9500, 83.8466, 102.4139**.

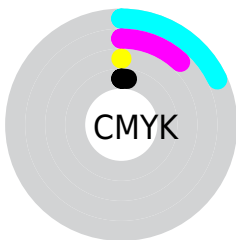
Distribution



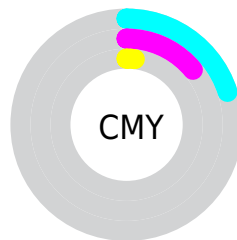
- Red (80%)
- Green (86%)
- Blue (98%)



- Red (80%)
- Yellow (85%)
- Blue (98%)



- Cyan (18%)
- Magenta (12%)
- Yellow (0%)
- Black (2%)



- Cyan (20%)
- Magenta (14%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.7637, 70.5443, 100.4874 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 67.7637, 70.5443, 100.4874 by changing the saturation by 10% instead.

■ 67.7637, 70.5443,
100.4874

■ 67.7637, 70.5443,
100.4874

442.0482,
462.4588, 583.0142

■ 49.9785, 51.9704,
76.0885

115.0578,
119.9846, 163.8845

■ 35.6140, 36.9815,
55.9980

145.2974,
151.6199, 203.7198

■ 24.3050, 25.1932,
39.7973

180.4192,
188.3776, 249.5377

■ 15.6860, 16.2210,
27.0680

220.7885,
230.6424, 301.7567

■ 9.3916, 9.6807,
17.3914

266.7707,
278.7985, 360.7953

■ 5.0567, 5.1878,
10.3490

318.7312,

■ 2.3156, 2.3578,

333.2303, 427.0720

5.5224

377.0352,
394.3223, 501.0055

■ 0.8027, 0.8041,
2.4928

■ 0.0000, 0.0000,
0.8364

■ 67.7637, 70.5443,
100.4874

■ 67.7637, 70.5443,
100.4874

■ 57.1483, 58.7454,
98.7706

■ 79.9500, 83.8466,
102.4139

■ 48.0312, 48.3862,
97.2516

■ 93.7620, 98.6951,
104.5519

■ 40.3432, 39.4110,
95.9244

■ 94.2555, 99.6822,
104.7165

■ 34.0071, 31.7568,
94.7810

■ 28.9378, 25.3554,
93.8126

■ 25.0396, 20.1313,
93.0097

■ 22.2016, 15.9995,
92.3617

■ 20.2782, 12.8546,
91.8561

■ 19.9651, 12.3214,
91.7697

Harmonies

Analogous

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



63.9457, 70.5443, 98.2618



67.7637, 70.5443, 100.4874



71.5316, 70.5443, 95.8818

Triad

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



67.7637, 70.5443, 100.4874



73.4149, 70.5443, 64.9242



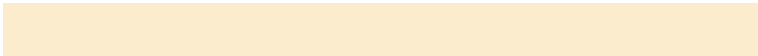
60.3989, 70.5443, 68.1282

Complementary

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



67.7637, 70.5443, 100.4874



80.4399, 84.7227, 69.8728

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.



62.7601, 70.5443, 60.4526



67.7637, 70.5443, 100.4874



70.2536, 70.5443, 58.7336

Square

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



67.7637, 70.5443, 100.4874



74.8751, 70.5443, 74.7926



66.3418, 70.5443, 57.1800



59.7905, 70.5443, 78.8649

Rectangle

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



67.7637, 70.5443, 100.4874



73.4773, 70.5443, 89.7994



66.3418, 70.5443, 57.1800



61.0093, 70.5443, 65.1391

Sweetspot

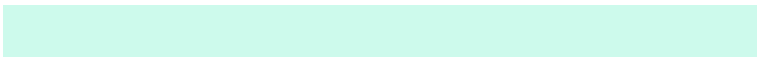
The Sweet Spot groups the original color and five complimentary colors.



67.7658, 70.5472, 100.4890



87.7757, 92.1853, 107.7750



74.4679, 87.3933, 92.1117



18.5762, 19.5034, 23.0354



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.



67.7658, 70.5472, 100.4890



66.2239, 68.6429, 104.3668



66.6014, 64.7500, 99.4314



16.7236, 17.5241, 21.8863



10.7022, 6.7600, 48.7143



1.0813, 0.8063, 4.5418

Inverse Universe

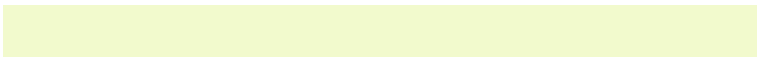
The Inverse Universe completely reimagines the original color for something new.



74.0436, 69.1029, 76.4567



74.0812, 67.0372, 74.2425



81.7386, 91.6133, 71.1343



17.4670, 17.3142, 19.0492



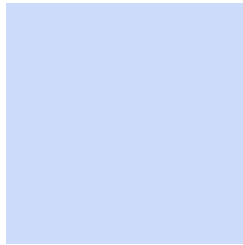
21.6940, 11.0933, 5.0971



2.0547, 1.0456, 0.7116

Previews

White Background



This preview shows how the XYZ color 67.7637, 70.5443, 100.4874 looks on a white background.

Color Contrast Check

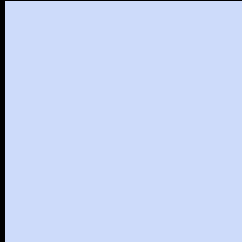
Large Text (above 18pt) WCAG AA × Fail

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 67.7637, 70.5443, 100.4874 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

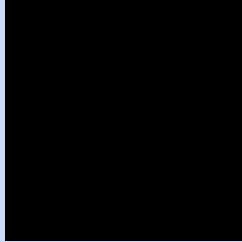
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.7637, 70.5443, 100.4874

Background



This preview shows how black text looks on a background with the XYZ color 67.7637, 70.5443, 100.4874.



This preview shows how white text looks on a background with the XYZ color 67.7637, 70.5443,

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

67.7637, 70.5443, 100.4874

Protanopia

69.3523, 70.6114, 99.5966

Deuteranopia

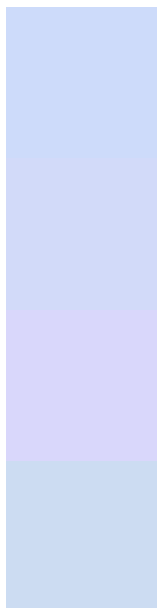
71.9473, 70.4008, 101.0635



Tritanopia

65.9177, 70.5825, 91.0385

Trichromacy



Original Color

67.7637, 70.5443, 100.4874

Protanomaly

68.7486, 70.6840, 99.6425

Deuteranomaly

70.3283, 70.3176, 101.1327

Tritanomaly

66.5221, 70.4346, 94.0935

Monochromacy



Original Color

67.7637, 70.5443, 100.4874

Achromatopsia

66.6397, 70.1102, 76.3500

Achromatomaly

66.7949, 70.0021, 84.8542

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.7637, 70.5443, 100.4874 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(205, 219, 250)` looks like.

```
.text, #text, p{  
    color:rgb(205, 219, 250)  
}
```

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(205, 219, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 219, 250) }
```

Border

The CSS property to change the border of an element to XYZ 67.7637, 70.5443, 100.4874 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(205, 219, 250) }
```


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

```
.border{ border-color:rgb(205, 219, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 219, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 219, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 219, 250);  
box-shadow:4px 4px 4px 4px rgb(205, 219,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 67.7637, 70.5443, 100.4874 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 219, 250) }
```

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

```
.background{ background-color: rgb(205,  
219, 250) }
```

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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