

Converting Colors

XYZ(68.6675, 67.5451,
103.1843)

Have a look what the booklet for
XYZ(68.6675, 67.5451, 103.1843)
contains.

XYZ(68.6675, 67.5451, 103.1843)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(68.6675, 67.5451,
103.1843)**

Conversions

Conversions Part 1

Format	Color
Hex	D6D2FE
RGB	214, 210, 254
RGB Percent	84%, 82%, 100%
CMY	0.1608, 0.1765, 0.0039
CMYK	0.16, 0.17, 0.00, 0.00
HSL	245°, 96%, 91%
HSV	245°, 17%, 100%
XYZ	68.6675, 67.5451, 103.1843
YIQ	216.2120, -11.7400, 14.5320

Conversions

Conversions Part 2

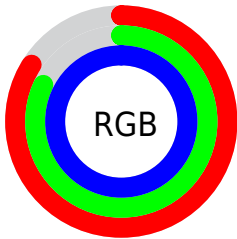
Format	Color
R _Y B	214, 210, 254
Decimal	14078718
CIE Lab	85.78, 9.95, -20.97
CIE LCh	86, 23.209, 295.385
Yxy	67.5451, 0.2868, 0.2821
Android (android.graphics.Color)	4292268798 (0xFFD6D2FE)
YUV	216.2120, 18.6295, -1.9399
Hunter-Lab	82.1858, 5.3143, -16.9085

Details

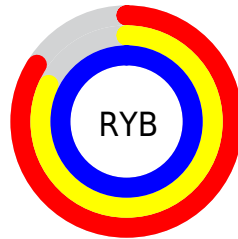
The XYZ color **68.6675, 67.5451, 103.1843** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **86.5014, 95.8626, 74.9201**, and the grayscale version is **65.2992, 68.6998, 74.8141**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.2646, 35.1791, 57.7022** is the 20% darker color. If you saturate the color by 10%, you get **56.6192, 52.7533, 100.9653**, and if you desaturate by 10%, it is **82.6707, 84.8255, 105.7828**.

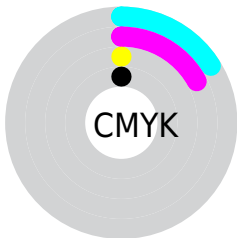
Distribution



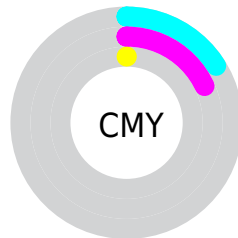
- Red (84%)
- Green (82%)
- Blue (100%)



- Red (84%)
- Yellow (82%)
- Blue (100%)



- Cyan (16%)
- Magenta (17%)
- Yellow (0%)
- Black (0%)



- Cyan (16%)
- Magenta (18%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.6675, 67.5451, 103.1843 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 68.6675, 67.5451, 103.1843 by changing the saturation by 10% instead.

68.6675, 67.5451,
103.1843

68.6675, 67.5451,
103.1843

445.1971,
451.8826, 591.6879

50.7166, 49.5277,
78.3309

116.3432,
115.7011, 167.6162

36.2033, 35.0383,
57.8278

146.7988,
146.6086, 208.0318

24.7621, 23.6924,
41.2564

182.1532,
182.5816, 254.4718

16.0277, 15.1056,
28.1983

222.7720,
224.0044, 307.3549

9.6347, 8.8935,
18.2348

269.0204,
271.2616, 367.0995

5.2178, 4.6718,
10.9475

321.2639,

2.4117, 2.0560,

324.7374, 434.1242

5.9178

379.8676,
384.8162, 508.8475

■ 0.8509, 0.6397,
2.7272

■ 0.0000, 0.0000,
0.9571

■ 68.6675, 67.5451,
103.1843

■ 68.6675, 67.5451,
103.1843

■ 56.6192, 52.7533,
100.9653

■ 82.6707, 84.8255,
105.7828

■ 46.4326, 40.3273,
99.1037

94.8896, 99.9358,
108.0554

■ 38.0164, 30.1468,
97.5823

■ 31.2690, 22.0773,
96.3803

■ 26.0787, 15.9698,
95.4750

■ 22.3196, 11.6562,
94.8405

■ 19.8462, 8.9394,
94.4465

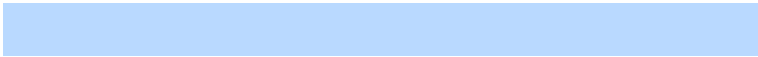
■ 18.4776, 7.5686,
94.2541

■ 18.2447, 7.3389,
94.2220

Harmonies

Analogous

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



63.3833, 67.5451, 106.6345



68.6675, 67.5451, 103.1843



72.9556, 67.5451, 91.3983

Triad

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



68.6675, 67.5451, 103.1843



70.1633, 67.5451, 52.0487



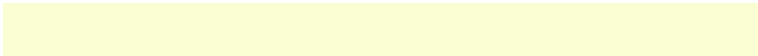
54.5696, 67.5451, 71.2221

Complementary

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



68.6675, 67.5451, 103.1843



86.5014, 95.8626, 74.9201

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.



56.1738, 67.5451, 58.1828



68.6675, 67.5451, 103.1843



65.0229, 67.5451, 48.1247

Square

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



68.6675, 67.5451, 103.1843



73.8520, 67.5451, 61.7311



59.9298, 67.5451, 50.2063



55.4272, 67.5451, 86.7777

Rectangle

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



68.6675, 67.5451, 103.1843



74.5724, 67.5451, 81.1566



59.9298, 67.5451, 50.2063



54.8362, 67.5451, 66.4251

Sweetspot

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



68.6696, 67.5479, 103.1858



86.9799, 90.0006, 107.3953



78.7591, 89.4378, 106.8792



18.3834, 18.9744, 22.9435



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.



68.6696, 67.5479, 103.1858



64.5830, 62.3704, 103.2425



75.4198, 71.0278, 103.5017



17.1560, 17.4566, 22.7152



9.6695, 3.8953, 49.6768



0.9908, 0.4047, 4.8392

Inverse Universe

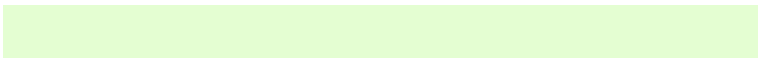
The Inverse Universe completely reimagines the original color for something new.



81.1773, 74.0690, 100.4640



79.5081, 70.1540, 99.9037



79.1775, 92.0870, 74.5774



18.7173, 18.2702, 22.3944



29.1765, 14.1599, 41.1752



2.8608, 1.3867, 4.1142

Previews

White Background



This preview shows how the XYZ color 68.6675, 67.5451, 103.1843 looks on a white background.

Color Contrast Check

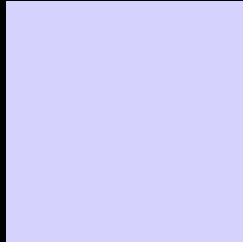
Large Text (above 18pt) WCAG AA × Fail

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 68.6675, 67.5451, 103.1843 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

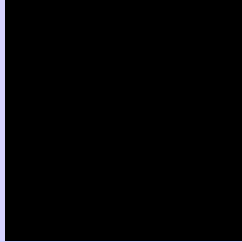
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.6675, 67.5451, 103.1843

Background



This preview shows how black text looks on a background with the XYZ color 68.6675, 67.5451, 103.1843.

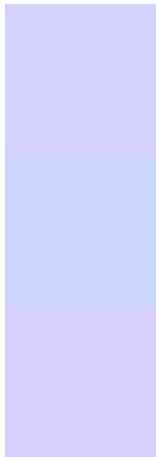


This preview shows how white text looks on a background with the XYZ color 68.6675, 67.5451,

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

68.6675, 67.5451, 103.1843

Protanopia

67.2978, 67.9303, 104.1726

Deuteranopia

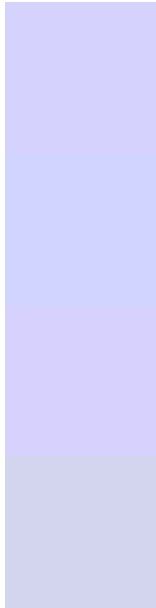
69.0088, 67.3556, 103.1297



Tritanopia

65.0487, 67.5643, 85.2141

Trichromacy



Original Color

68.6675, 67.5451, 103.1843

Protanomaly

67.8880, 67.8623, 104.1284

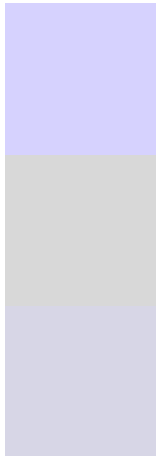
Deuteranomaly

68.7142, 67.2038, 103.1159

Tritanomaly

66.2382, 67.6694, 91.2317

Monochromacy



Original Color

68.6675, 67.5451, 103.1843

Achromatopsia

65.2694, 68.6685, 74.7800

Achromatomaly

66.3538, 68.2534, 84.5399

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.6675, 67.5451, 103.1843 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(214, 210, 254)` looks like.

```
.text, #text, p{  
    color:rgb(214, 210, 254)  
}
```

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(214, 210, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 210, 254) }
```

Border

The CSS property to change the border of an element to XYZ 68.6675, 67.5451, 103.1843 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(214, 210, 254) }
```


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

```
.border{ border-color:rgb(214, 210, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 210, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 210, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 210, 254);  
box-shadow:4px 4px 4px 4px rgb(214, 210,  
254) }
```

Background

The CSS property to change the background color of an element to XYZ 68.6675, 67.5451, 103.1843 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 210, 254) }
```

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

```
.background{ background-color: rgb(214,  
210, 254) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor