

Converting Colors

XYZ(66.6338, 65.1311,
103.6673)

Have a look what the booklet for
XYZ(66.6338, 65.1311, 103.6673)
contains.

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Color

**XYZ(66.6996, 65.0643,
103.6509)**

Conversions

Conversions Part 1

Format	Color
Hex	D2CEFF
RGB	210, 206, 255
RGB Percent	82%, 81%, 100%
CMY	0.1765, 0.1921, 0.0000
CMYK	0.18, 0.19, 0.00, 0.00
HSL	245°, 100%, 90%
HSV	245°, 19%, 100%
XYZ	66.6996, 65.0643, 103.6509
YIQ	212.7820, -13.3450, 16.0870

Conversions

Conversions Part 2

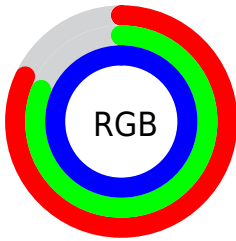
Format	Color
R _Y B	210, 206, 255
Decimal	13815551
CIE Lab	84.52, 11.06, -23.44
CIE LCh	85, 25.917, 295.261
Yxy	65.0643, 0.2833, 0.2764
Android (android.graphics.Color)	4292005631 (0xFFD2CEFF)
YUV	212.7820, 20.8135, -2.4398
Hunter-Lab	80.6624, 6.4420, -19.7237

Details

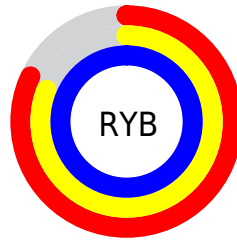
The XYZ color **66.6996, 65.0643, 103.6509** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **86.6857, 96.4862, 72.4504**, and the grayscale version is **62.9736, 66.2532, 72.1497**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **34.9388, 33.5023, 58.0512** is the 20% darker color. If you saturate the color by 10%, you get **54.8649, 50.5790, 101.4788**, and if you desaturate by 10%, it is **80.5095, 82.0495, 106.2016**.

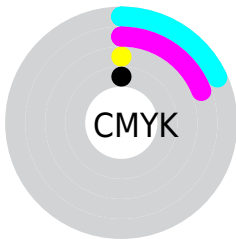
Distribution



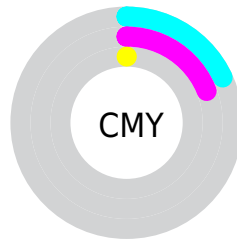
- Red (82%)
- Green (81%)
- Blue (100%)



- Red (82%)
- Yellow (81%)
- Blue (100%)



- Cyan (18%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)



- Cyan (18%)
- Magenta (19%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.6996, 65.0643, 103.6509 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 66.6996, 65.0643, 103.6509 by changing the saturation by 10% instead.

■ 66.6996, 65.0643,
103.6509

■ 66.6996, 65.0643,
103.6509

438.3240,
443.0230, 593.1818

■ 49.1103, 47.5132,
78.7192

113.5420,
112.1423, 168.2609

■ 34.9219, 33.4416,
58.1450

143.5259,
142.4380, 208.7762

■ 23.7690, 22.4649,
41.5098

178.3721,
177.7507, 255.3232

■ 15.2861, 14.1989,
28.3949

218.4458,
218.4648, 308.3204

■ 9.1081, 8.2591,
18.3820

264.1125,
264.9647, 368.1863

■ 4.8694, 4.2612,
11.0523

315.7376,

■ 2.2048, 1.8207,

317.6347, 435.3395

5.9874

373.6863,
376.8594, 510.1985

■ 0.7453, 0.5000,
2.7688

■ 0.0000, 0.0000,
0.9778

■ 66.6996, 65.0643,
103.6509

■ 66.6996, 65.0643,
103.6509

■ 54.8649, 50.5790,
101.4788

■ 80.5095, 82.0495,
106.2016

■ 44.9099, 38.4681,
99.6658

95.0500, 100.0000,
108.9000

■ 36.7390, 28.6071,
98.1931

■ 30.2465, 20.8569,
97.0394

■ 25.3150, 15.0630,
96.1809

■ 21.8121, 11.0497,
95.5909

■ 19.5833, 8.6096,
95.2374

■ 18.4171, 7.4415,
95.0734

■ 18.3551, 7.3773,
95.0643

Harmonies

Analogous

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



60.9294, 65.0643, 107.4741



66.6996, 65.0643, 103.6509



71.4171, 65.0643, 90.5426

Triad

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



66.6996, 65.0643, 103.6509



68.3836, 65.0643, 47.8038



51.4279, 65.0643, 68.2506

Complementary

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



66.6996, 65.0643, 103.6509



86.6857, 96.4862, 72.4504

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.



53.1628, 65.0643, 54.2321



66.6996, 65.0643, 103.6509



62.7630, 65.0643, 43.6552

Square

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



66.6996, 65.0643, 103.6509



72.4310, 65.0643, 58.1276



57.2255, 65.0643, 45.8121



52.3382, 65.0643, 85.2916

Rectangle

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



66.6996, 65.0643, 103.6509



73.2073, 65.0643, 79.2416



57.2255, 65.0643, 45.8121



51.7178, 65.0643, 63.0616

Sweetspot

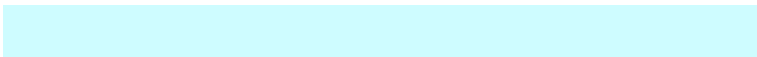
The Sweet Spot groups the original color and five complimentary colors.



66.7015, 65.0669, 103.6514



85.3798, 88.0554, 107.1041



78.2317, 89.7961, 107.8169



18.0592, 18.5815, 22.8847



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.



66.7015, 65.0669, 103.6514



61.9927, 59.2942, 102.7853



73.9783, 68.8182, 103.9919



17.1403, 17.4485, 22.7145



9.6385, 3.8793, 49.6754



0.9834, 0.4009, 4.8388

Inverse Universe

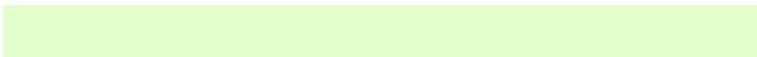
The Inverse Universe completely reimagines the original color for something new.



80.7254, 72.3701, 100.9830



78.3480, 67.8136, 99.5791



78.6542, 92.3458, 72.0746



18.7250, 18.2733, 22.4347



29.3503, 14.2294, 42.0905



2.8759, 1.3927, 4.1938

Previews

White Background



This preview shows how the XYZ color 66.6996, 65.0643, 103.6509 looks on a white background.

Color Contrast Check

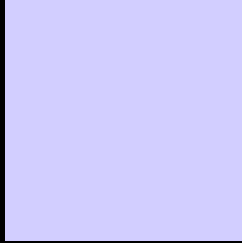
Large Text (above 18pt) WCAG AA × Fail

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 66.6996, 65.0643, 103.6509 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

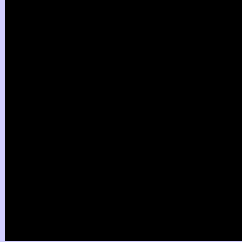
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 66.6996, 65.0643, 103.6509

Background



This preview shows how black text looks on a background with the XYZ color 66.6996, 65.0643, 103.6509.

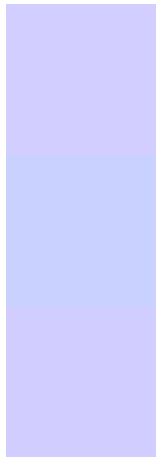


This preview shows how white text looks on a background with the XYZ color 66.6996, 65.0643,

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

66.6996, 65.0643, 103.6509

Protanopia

64.9379, 65.2384, 103.7774

Deuteranopia

66.4158, 64.9179, 103.6377



Tritanopia

62.4747, 65.1691, 82.6849

Trichromacy



Original Color

66.6996, 65.0643, 103.6509

Protanomaly

65.5077, 65.1691, 103.7340

Deuteranomaly

66.4158, 64.9179, 103.6377

Tritanomaly

63.9652, 65.0394, 90.0714

Monochromacy



Original Color

66.6996, 65.0643, 103.6509

Achromatopsia

63.2451, 66.5387, 72.4607

Achromatomaly

64.2016, 65.6917, 82.6948

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.6996, 65.0643, 103.6509 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(210, 206, 255)` looks like.

```
.text, #text, p{  
    color:rgb(210, 206, 255)  
}
```

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(210, 206, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 206, 255) }
```

Border

The CSS property to change the border of an element to XYZ 66.6996, 65.0643, 103.6509 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(210, 206, 255) }
```


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

```
.border{ border-color:rgb(210, 206, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 206, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 206, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 206, 255);  
box-shadow:4px 4px 4px 4px rgb(210, 206,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 66.6996, 65.0643, 103.6509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 206, 255) }
```

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

```
.background{ background-color: rgb(210,  
206, 255) }
```

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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