

Converting Colors

XYZ(65.1951, 64.5768, 90.2869)

Have a look what the booklet for
XYZ(65.1951, 64.5768, 90.2869)
contains.

XYZ(65.2355, 64.6118, 89.9220)	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(65.2355, 64.6118,
89.9220)**

Conversions

Conversions Part 1

Format	Color
Hex	D6CEEE
RGB	214, 206, 238
RGB Percent	84%, 81%, 93%
CMY	0.1608, 0.1921, 0.0667
CMYK	0.10, 0.13, 0.00, 0.07
HSL	255°, 48%, 87%
HSV	255°, 13%, 93%
XYZ	65.2355, 64.6118, 89.9220
YIQ	212.0400, -5.5040, 11.6480

Conversions

Conversions Part 2

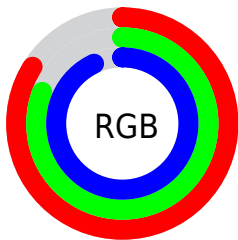
Format	Color
R _Y B	214, 206, 238
Decimal	14077678
CIE Lab	84.28, 8.79, -14.74
CIE LCh	84, 17.163, 300.813
Yxy	64.6118, 0.2968, 0.2940
Android (android.graphics.Color)	4292267758 (0xFFD6CEEE)
YUV	212.0400, 12.7983, 1.7189
Hunter-Lab	80.3815, 4.1984, -10.0601

Details

The XYZ color **65.2355, 64.6118, 89.9220** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **74.3505, 82.4300, 70.3875**, and the grayscale version is **62.5278, 65.7841, 71.6389**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.9698, 33.2048, 48.8747** is the 20% darker color. If you saturate the color by 10%, you get **55.0069, 51.4689, 87.9253**, and if you desaturate by 10%, it is **76.9066, 79.7896, 92.2375**.

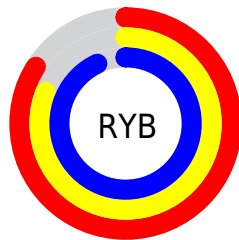
Distribution



Red (84%)

Green (81%)

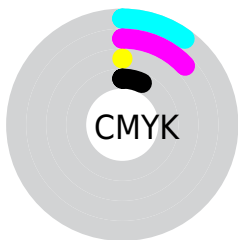
Blue (93%)



Red (84%)

Yellow (81%)

Blue (93%)

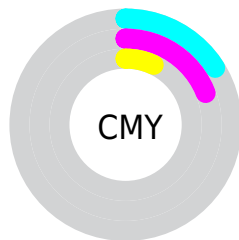


Cyan (10%)

Magenta (13%)

Yellow (0%)

Black (7%)



Cyan (16%)

Magenta (19%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.2355, 64.6118, 89.9220 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 65.2355, 64.6118, 89.9220 by changing the saturation by 10% instead.

65.2355, 64.6118,
89.9220

65.2355, 64.6118,
89.9220

433.1696,
441.3956, 548.3406

47.9175, 47.1464,
67.3426

111.4522,
111.4916, 149.1646

33.9725, 33.1514,
48.8998

141.0816,
141.6747, 186.6649

23.0353, 22.2424,
34.1749

175.5454,
176.8658, 229.9759

14.7404, 14.0351,
22.7496

215.2092,
217.4494, 279.5162

8.7225, 8.1451,
14.2051

260.4381,
263.8097, 335.7043

4.6163, 4.1879,
8.1231

311.5976,

2.0564, 1.7792,

316.3313, 398.9587

4.0849

369.0530,
375.3985, 469.6979

■ 0.6653, 0.4742,
1.6720

■ 0.0000, 0.0000,
0.3415

■ 65.2355, 64.6118,
89.9220

■ 65.2355, 64.6118,
89.9220

■ 55.0069, 51.4689,
87.9253

■ 76.9066, 79.7896,
92.2375

■ 46.1576, 40.2655,
86.2292

■ 90.0682, 97.0759,
94.8804

■ 38.6286, 30.9107,
84.8204

■ 92.4328, 98.9531,
95.1181

■ 32.3538, 23.3030,
83.6827

■ 27.2616, 17.3310,
82.7983

■ 23.2722, 12.8700,
82.1475

■ 20.2955, 9.7767,
81.7074

■ 18.2248, 7.8789,
81.4502

■ 17.2654, 7.1179,
81.3539

Harmonies

Analogous

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



61.5155, 64.6118, 93.4477



65.2355, 64.6118, 89.9220



68.0220, 64.6118, 81.0705

Triad

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



65.2355, 64.6118, 89.9220



65.0485, 64.6118, 53.6001



54.3836, 64.6118, 70.6490

Complementary

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



65.2355, 64.6118, 89.9220



74.3505, 82.4300, 70.3875

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.



55.2439, 64.6118, 60.6212



65.2355, 64.6118, 89.9220



61.3078, 64.6118, 51.4134

Square

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



65.2355, 64.6118, 89.9220



67.9110, 64.6118, 60.1560



57.7401, 64.6118, 53.8485



55.3407, 64.6118, 81.6379

Rectangle

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



65.2355, 64.6118, 89.9220



68.9198, 64.6118, 73.7494



57.7401, 64.6118, 53.8485



54.4695, 64.6118, 67.0592

Sweetspot

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



65.2374, 64.6145, 89.9234



89.1230, 92.2416, 107.7149



69.3338, 76.1878, 91.9414



18.8442, 19.4407, 23.0092



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.



65.2374, 64.6145, 89.9234



73.0111, 71.3253, 104.5268



69.9682, 67.0533, 90.1448



15.2674, 15.4196, 19.8932



9.7316, 4.0222, 45.3913



0.8977, 0.3800, 3.7803

Inverse Universe

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



71.6163, 68.0357, 84.2235



81.7885, 76.0349, 96.5936



69.6047, 79.9834, 70.1654



16.2756, 15.9600, 19.0075



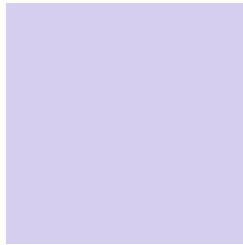
24.2380, 11.9676, 24.9676



2.0558, 1.0114, 2.2847

Previews

White Background



This preview shows how the XYZ color 65.2355, 64.6118, 89.9220 looks on a white background.

Color Contrast Check

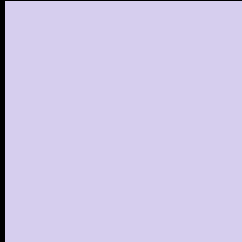
Large Text (above 18pt) WCAG AA × Fail

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 65.2355, 64.6118, 89.9220 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

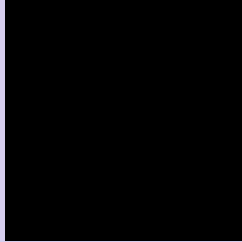
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 65.2355, 64.6118, 89.9220

Background



This preview shows how black text looks on a background with the XYZ color 65.2355, 64.6118, 89.9220.



This preview shows how white text looks on a background with the XYZ color 65.2355, 64.6118,

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

65.2355, 64.6118, 89.9220

Protanopia

63.7055, 64.8713, 91.6019

Deuteranopia

65.8792, 64.5874, 89.8833



Tritanopia

63.2979, 64.5450, 80.3564

Trichromacy



Original Color

65.2355, 64.6118, 89.9220

Protanomaly

64.1483, 64.7536, 90.7791

Deuteranomaly

65.5828, 64.4346, 89.8695

Tritanomaly

64.0363, 64.4850, 83.9347

Monochromacy



Original Color

65.2355, 64.6118, 89.9220

Achromatopsia

62.5785, 65.8375, 71.6970

Achromatomaly

63.5383, 65.4598, 77.6928

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.2355, 64.6118, 89.9220 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, 206, 238) looks like.

```
.text, #text, p{  
    color:rgb(214, 206, 238)  
}
```

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, 206, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 206, 238) }
```

Border

The CSS property to change the border of an element to XYZ 65.2355, 64.6118, 89.9220 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, 206, 238) }
```


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

```
.border{ border-color:rgb(214, 206, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 206, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 206, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 206, 238);  
box-shadow:4px 4px 4px 4px rgb(214, 206,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 65.2355, 64.6118, 89.9220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 206, 238) }
```

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

```
.background{ background-color: rgb(214,  
206, 238) }
```

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