

Converting Colors

XYZ(35.1297, 45.0283, 6.8398)

Have a look what the booklet for
XYZ(35.1297, 45.0283, 6.8398)
contains.

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Color

**XYZ(35.2109, 45.1658,
6.8621)**

Conversions

Conversions Part 1

Format	Color
Hex	ACBD00
RGB	172, 189, 0
RGB Percent	67%, 74%, 0%
CMY	0.3255, 0.2588, 0.9999
CMYK	0.09, 0.00, 1.00, 0.26
HSL	65°, 100%, 37%
HSV	65°, 100%, 74%
XYZ	35.2109, 45.1658, 6.8621
YIQ	162.3710, 50.5370, -62.3830

Conversions

Conversions Part 2

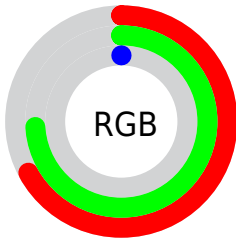
Format	Color
RYB	0, 189, 17
Decimal	11320576
CIELab	73.00, -24.52, 73.86
CIELCh	73, 77.824, 108.368
Yxy	45.1658, 0.4036, 0.5177
Android (android.graphics.Color)	4289510656 (0xFFACBD00)
YUV	162.3710, -80.0489, 8.4446
Hunter-Lab	67.2055, -24.0883, 40.9900

Details

The XYZ color **35.2109, 45.1658, 6.8621** is a dark color, and the websafe version is hex **CCCC33**. A complement of this color would be **9.4177, 3.7942, 48.3828**, and the grayscale version is **34.8667, 36.6824, 39.9472**.

A 20% lighter version of the original color is **67.0926, 82.8878, 20.2474**, and **15.8744, 21.2532, 3.2656** is the 20% darker color. If you saturate the color by 10%, you get **35.2114, 45.1676, 6.8624**, and if you desaturate by 10%, it is **35.7044, 45.4083, 7.4955**.

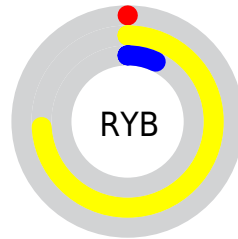
Distribution



Red (67%)

Green (74%)

Blue (0%)



Red (0%)

Yellow (74%)

Blue (7%)

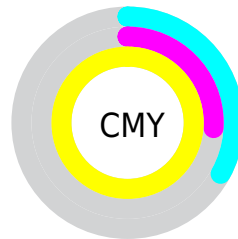


Cyan (9%)

Magenta (0%)

Yellow (100%)

Black (26%)



Cyan (33%)

Magenta (26%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.2109, 45.1658, 6.8621 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 35.2109, 45.1658, 6.8621 by changing the saturation by 10% instead.

■ 35.2109, 45.1658,
6.8621

■ 35.2109, 45.1658,
6.8621

316.9900,
367.4446, 176.1001

■ 23.9927, 31.5880,
3.2989

■ 67.1442, 82.9692,
20.2034

■ 15.4529, 21.0470,
1.2492

■ 88.5900, 107.9635,
30.8185

■ 9.2262, 13.1584,
0.0196

■ 114.1757,
137.5323, 44.6213

■ 4.9473, 7.5377,
0.0000

■ 144.2666,
172.0597, 62.0304

■ 2.2508, 3.8006,
0.0000

■ 179.2282,
211.9303, 83.4643

■ 0.7693, 1.5627,
0.0000

■ 219.4257,

■ 0.0000, 0.3322,

257.5284, 109.3415

0.0000

265.2245,
309.2383, 140.0806

■ 0.0000, 0.0000,
0.0000

■ 35.2109, 45.1658,
6.8621

■ 35.2109, 45.1658,
6.8621

■ 35.2114, 45.1676,
6.8624

■ 35.7044, 45.4083,
7.4955

■ 36.3150, 45.6964,
8.7251

■ 37.0849, 46.0489,
10.7685

■ 38.0349, 46.4740,
13.7348

■ 39.1824, 46.9786,
17.7161

■ 40.5428, 47.5690,
22.7933

■ 42.1301, 48.2506,
29.0394

■ 43.9568, 49.0286,
36.5210

■ 46.0347, 49.9077,
45.2996

Harmonies

Analogous

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



48.4148, 45.1658, 6.2680



35.2109, 45.1658, 6.8621



26.2125, 45.1658, 14.3366

Triad

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



35.2109, 45.1658, 6.8621



27.8061, 45.1658, 128.9815



73.9399, 45.1658, 65.8593

Complementary

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



35.2109, 45.1658, 6.8621



9.4177, 3.7942, 48.3828

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.



65.5668, 45.1658, 117.5158



35.2109, 45.1658, 6.8621



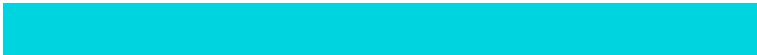
37.8736, 45.1658, 164.8982

Square

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



35.2109, 45.1658, 6.8621



22.6010, 45.1658, 76.7254



51.6992, 45.1658, 159.8529



72.8041, 45.1658, 29.1669

Rectangle

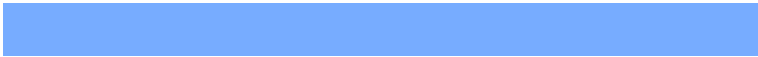
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



35.2109, 45.1658, 6.8621



22.9345, 45.1658, 26.4303



51.6992, 45.1658, 159.8529



72.0827, 45.1658, 82.2394

Sweetspot

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



35.2119, 45.1679, 6.8630



75.3013, 86.3482, 51.4063



21.1695, 11.1833, 1.0435



15.9264, 18.4545, 9.9937



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



35.2119, 45.1679, 6.8630



62.9533, 80.8357, 12.2849



21.4036, 38.0494, 6.2168



10.2353, 11.0757, 10.1750



23.7235, 30.4058, 4.6185



0.9543, 1.2039, 0.1821

Inverse Universe

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



9.4177, 3.7942, 48.3828



16.7824, 6.7512, 86.6448



15.6491, 7.0066, 48.6744



9.0940, 9.2653, 11.9813



6.3648, 2.5672, 32.5530



0.2765, 0.1146, 1.2764

Previews

White Background



This preview shows how the XYZ color 35.2109, 45.1658, 6.8621 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 35.2109, 45.1658, 6.8621 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 35.2109, 45.1658, 6.8621

Background



This preview shows how black text looks on a background with the XYZ color 35.2109, 45.1658, 6.8621.

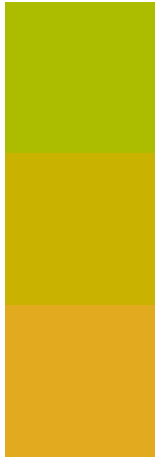


This preview shows how white text looks on a background with the XYZ color 35.2109, 45.1658,

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

35.2109, 45.1658, 6.8621

Protanopia

40.4772, 44.7968, 6.5133

Deuteranopia

45.9861, 45.0171, 7.5618



Tritanopia

44.9603, 45.1639, 54.4920

Trichromacy



Original Color

35.2109, 45.1658, 6.8621

Protanomaly

38.4193, 44.9433, 6.6500

Deuteranomaly

41.3020, 44.6166, 7.0968

Tritanomaly

38.9701, 44.2276, 24.2521

Monochromacy



Original Color

35.2109, 45.1658, 6.8621

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

32.9266, 38.5913, 18.5454

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.2109, 45.1658, 6.8621 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(172, 189, 0)` looks like.

```
.text, #text, p{  
    color:rgb(172, 189, 0)  
}
```

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(172, 189, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 189, 0) }
```

Border

The CSS property to change the border of an element to XYZ 35.2109, 45.1658, 6.8621 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(172, 189, 0) }
```


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

```
.border{ border-color:rgb(172, 189, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 189, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 189, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 189, 0);  
box-shadow:4px 4px 4px 4px rgb(172, 189,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 35.2109, 45.1658, 6.8621 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 189, 0) }
```

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

```
.background{ background-color: rgb(172,  
189, 0) }
```

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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