

Converting Colors

XYZ(35.3516, 45.9625, 7.0084)

Have a look what the booklet for
XYZ(35.3516, 45.9625, 7.0084)
contains.

XYZ(35.2084, 45.8077, 6.9861)	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(35.2084, 45.8077,
6.9861)**

Conversions

Conversions Part 1

Format	Color
Hex	AABF00
RGB	170, 191, 0
RGB Percent	67%, 75%, 0%
CMY	0.3333, 0.2510, 0.9999
CMYK	0.11, 0.00, 1.00, 0.25
HSL	67°, 100%, 37%
HSV	67°, 100%, 75%
XYZ	35.2084, 45.8077, 6.9861
YIQ	162.9470, 48.7950, -63.8530

Conversions

Conversions Part 2

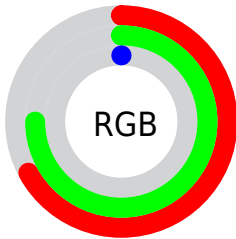
Format	Color
RYB	0, 191, 21
Decimal	11190016
CIELab	73.42, -26.34, 74.11
CIELCh	73, 78.649, 109.568
Yxy	45.8077, 0.4001, 0.5205
Android (android.graphics.Color)	4289380096 (0xFFAABF00)
YUV	162.9470, -80.3329, 6.1855
Hunter-Lab	67.6814, -25.5853, 41.2570

Details

The XYZ color **35.2084, 45.8077, 6.9861** is a dark color, and the websafe version is hex **CCCC00**. A complement of this color would be **9.7146, 3.9220, 49.5381**, and the grayscale version is **35.1413, 36.9714, 40.2618**.

A 20% lighter version of the original color is **67.0591, 83.7736, 20.4201**, and **15.8985, 21.6877, 3.3482** is the 20% darker color. If you saturate the color by 10%, you get **35.2088, 45.8095, 6.9864**, and if you desaturate by 10%, it is **35.7857, 46.0932, 7.6323**.

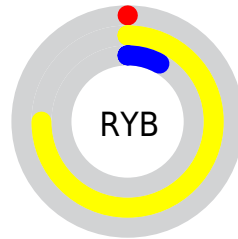
Distribution



Red (67%)

Green (75%)

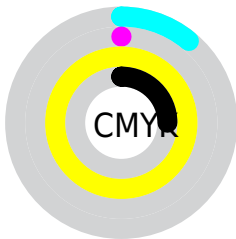
Blue (0%)



Red (0%)

Yellow (75%)

Blue (8%)

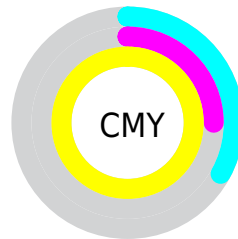


Cyan (11%)

Magenta (0%)

Yellow (100%)

Black (25%)



Cyan (33%)

Magenta (25%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.2084, 45.8077, 6.9861 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 35.2084, 45.8077, 6.9861 by changing the saturation by 10% instead.

■ 35.2084, 45.8077,
6.9861

■ 35.2084, 45.8077,
6.9861

316.9792,
370.0350, 177.1747

■ 23.9907, 32.0941,
3.3751

■ 67.1404, 83.9311,
20.4576

■ 15.4514, 21.4334,
1.2892

■ 88.5854, 109.1098,
31.1552

■ 9.2252, 13.4412,
0.0529

■ 114.1702,
138.8788, 45.0521

■ 4.9466, 7.7330,
0.0000

■ 144.2602,
173.6228, 62.5668

■ 2.2504, 3.9246,
0.0000

■ 179.2208,
213.7260, 84.1179

■ 0.7691, 1.6315,
0.0000

■ 219.4172,

■ 0.0000, 0.3787,

259.5728, 110.1239

0.0000

265.2149,
311.5477, 141.0033

■ 0.0000, 0.0000,
0.0000

■ 35.2084, 45.8077,
6.9861

■ 35.2084, 45.8077,
6.9861

■ 35.2088, 45.8095,
6.9864

■ 35.7857, 46.0932,
7.6323

■ 36.4857, 46.4269,
8.8909

■ 37.3513, 46.8277,
10.9833

■ 38.4038, 47.3042,
14.0214

■ 39.6611, 47.8634,
18.0999

■ 41.1392, 48.5117,
23.3020

■ 42.8523, 49.2550,
29.7023

■ 44.8132, 50.0982,
37.3694

■ 47.0342, 51.0463,
46.3663

Harmonies

Analogous

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



48.5453, 45.8077, 6.1713



35.2084, 45.8077, 6.9861



26.2394, 45.8077, 14.9446

Triad

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



35.2084, 45.8077, 6.9861



28.4400, 45.8077, 133.4589



75.3629, 45.8077, 65.0139

Complementary

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



35.2084, 45.8077, 6.9861



9.7146, 3.9220, 49.5381

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.



67.1403, 45.8077, 117.5652



35.2084, 45.8077, 6.9861



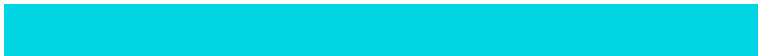
38.8890, 45.8077, 168.9065

Square

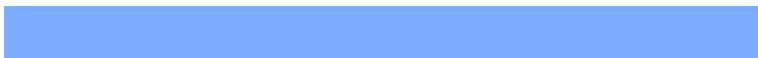
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



35.2084, 45.8077, 6.9861



22.9446, 45.8077, 80.0586



53.0894, 45.8077, 161.9091



73.7900, 45.8077, 28.4308

Rectangle

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



35.2084, 45.8077, 6.9861



23.0344, 45.8077, 27.6936



53.0894, 45.8077, 161.9091



73.5948, 45.8077, 81.5507

Sweetspot

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



35.2094, 45.8098, 6.9871



76.5850, 88.1421, 52.5854



21.7221, 11.5469, 1.0845



16.5202, 19.2265, 10.4236



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



35.2094, 45.8098, 6.9871



62.9270, 81.9741, 12.5060



21.6456, 38.8174, 6.3523



10.2161, 11.0658, 10.1741



23.1794, 30.1253, 4.5931



0.9378, 1.1954, 0.1813

Inverse Universe

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



9.7146, 3.9220, 49.5381



17.3000, 6.9728, 88.7132



16.4240, 7.3808, 49.8521



9.1113, 9.2743, 11.9821



6.4183, 2.5949, 32.5555



0.2842, 0.1186, 1.2768

Previews

White Background



This preview shows how the XYZ color 35.2084, 45.8077, 6.9861 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 35.2084, 45.8077, 6.9861 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 35.2084, 45.8077, 6.9861

Background



This preview shows how black text looks on a background with the XYZ color 35.2084, 45.8077, 6.9861.



This preview shows how white text looks on a background with the XYZ color 35.2084, 45.8077,

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

35.2084, 45.8077, 6.9861

Protanopia

41.1525, 45.7443, 6.6606

Deuteranopia

46.5022, 45.5610, 7.7097



Tritanopia

45.2020, 45.8369, 56.3342

Trichromacy



Original Color

35.2084, 45.8077, 6.9861

Protanomaly

38.8348, 45.7743, 6.7885

Deuteranomaly

41.5003, 45.0131, 7.1629

Tritanomaly

39.0367, 44.8558, 25.0129

Monochromacy



Original Color

35.2084, 45.8077, 6.9861

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

33.1681, 38.9936, 18.8751

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.2084, 45.8077, 6.9861 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(170, 191, 0)` looks like.

```
.text, #text, p{  
    color:rgb(170, 191, 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(170, 191, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 191, 0) }
```

Border

The CSS property to change the border of an element to XYZ 35.2084, 45.8077, 6.9861 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(170, 191, 0) }
```


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

```
.border{ border-color:rgb(170, 191, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 191, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 191, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 191, 0);  
box-shadow:4px 4px 4px 4px rgb(170, 191,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 35.2084, 45.8077, 6.9861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 191, 0) }
```

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

```
.background{ background-color: rgb(170,  
191, 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](#).

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