

Converting Colors

XYZ(36.0213, 46.3093, 7.0401)

Have a look what the booklet for
XYZ(36.0213, 46.3093, 7.0401)
contains.

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Color

**XYZ(35.8644, 46.1458,
7.0168)**

Conversions

Conversions Part 1

Format	Color
Hex	ADBF00
RGB	173, 191, 0
RGB Percent	68%, 75%, 0%
CMY	0.3216, 0.2510, 0.9999
CMYK	0.09, 0.00, 1.00, 0.25
HSL	66°, 100%, 37%
HSV	66°, 100%, 75%
XYZ	35.8644, 46.1458, 7.0168
YIQ	163.8440, 50.5830, -63.2170

Conversions

Conversions Part 2

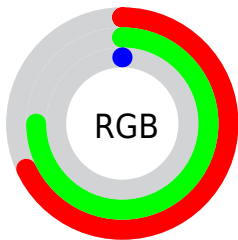
Format	Color
RYB	0, 191, 18
Decimal	11386624
CIELab	73.64, -25.07, 74.37
CIELCh	74, 78.480, 108.630
Yxy	46.1458, 0.4028, 0.5183
Android (android.graphics.Color)	4289576704 (0xFFADB000)
YUV	163.8440, -80.7751, 8.0298
Hunter-Lab	67.9307, -24.6386, 41.4272

Details

The XYZ color **35.8644, 46.1458, 7.0168** is a dark color, and the websafe version is hex **CCCC00**. A complement of this color would be **9.6547, 3.8911, 49.5352**, and the grayscale version is **35.5699, 37.4223, 40.7529**.

A 20% lighter version of the original color is **68.0247, 84.2714, 20.4653**, and **16.2909, 21.8900, 3.3666** is the 20% darker color. If you saturate the color by 10%, you get **35.8649, 46.1476, 7.0171**, and if you desaturate by 10%, it is **36.3848, 46.4020, 7.6604**.

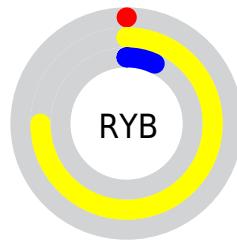
Distribution



Red (68%)

Green (75%)

Blue (0%)



Red (0%)

Yellow (75%)

Blue (7%)

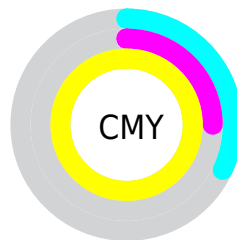


Cyan (9%)

Magenta (0%)

Yellow (100%)

Black (25%)



Cyan (32%)


Magenta (25%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.8644, 46.1458, 7.0168 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 35.8644, 46.1458, 7.0168 by changing the saturation by 10% instead.


 35.8644, 46.1458,
7.0168


 35.8644, 46.1458,
7.0168


319.8091,
371.3945, 177.4395

 24.4991, 32.3609,
3.3940


 68.1480, 84.4372,
20.5204

 15.8310, 21.6373,
1.2992


 89.7969, 109.7124,
31.2384


 9.4947, 13.5906,
0.0611


 115.6045,
139.5865, 45.1584

 5.1249, 7.8365,
0.0000

 145.9361,
174.4440, 62.6991

 2.3563, 3.9905,
0.0000

 181.1570,
214.6691, 84.2791

 0.8232, 1.6683,
0.0000

 221.6325,

 0.0000, 0.4030,

260.6463, 110.3167

0.0000

267.7281,
312.7600, 141.2307

■ 0.0000, 0.0000,
0.0000

■ 35.8644, 46.1458,
7.0168

■ 35.8644, 46.1458,
7.0168

■ 35.8649, 46.1476,
7.0171

■ 36.3848, 46.4020,
7.6604

■ 37.0260, 46.7054,
8.9162

■ 37.8309, 47.0749,
11.0058

■ 38.8207, 47.5190,
14.0410

■ 40.0135, 48.0450,
18.1165

■ 41.4250, 48.6590,
23.3154

■ 43.0695, 49.3669,
29.7126

■ 44.9601, 50.1738,
37.3764

■ 47.1086, 51.0846,
46.3699

Harmonies

Analogous

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



49.3429, 46.1458, 6.3630



35.8644, 46.1458, 7.0168



26.7053, 46.1458, 14.7356

Triad

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



35.8644, 46.1458, 7.0168



28.4616, 46.1458, 132.3559



75.6256, 46.1458, 66.8956

Complementary

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



35.8644, 46.1458, 7.0168



9.6547, 3.8911, 49.5352

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.



67.1296, 46.1458, 119.7094



35.8644, 46.1458, 7.0168



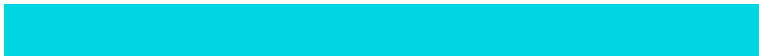
38.7995, 46.1458, 168.8395

Square

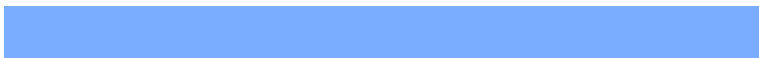
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



35.8644, 46.1458, 7.0168



23.0963, 46.1458, 78.8775



52.9640, 46.1458, 163.2740



74.3731, 46.1458, 29.5453

Rectangle

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



35.8644, 46.1458, 7.0168



23.3825, 46.1458, 27.1965



52.9640, 46.1458, 163.2740



73.7533, 46.1458, 83.6148

Sweetspot

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



35.8654, 46.1479, 7.0178



76.9803, 88.3459, 52.6039



21.6715, 11.4458, 1.0677



16.6185, 19.2773, 10.4282



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.



35.8654, 46.1479, 7.0178



64.1179, 82.5880, 12.5617



21.9064, 38.9518, 6.3645



10.2312, 11.0736, 10.1748



23.6054, 30.3449, 4.6130



0.9507, 1.2021, 0.1819

Inverse Universe

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



9.6547, 3.8911, 49.5352



17.2033, 6.9230, 88.7087



16.0143, 7.1696, 49.8328



9.0977, 9.2672, 11.9815



6.3756, 2.5728, 32.5535



0.2782, 0.1154, 1.2765

Previews

White Background



This preview shows how the XYZ color 35.8644, 46.1458, 7.0168 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 35.8644, 46.1458, 7.0168 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 35.8644, 46.1458, 7.0168

Background



This preview shows how black text looks on a background with the XYZ color 35.8644, 46.1458, 7.0168.



This preview shows how white text looks on a background with the XYZ color 35.8644, 46.1458,

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

35.8644, 46.1458, 7.0168

Protanopia

41.4257, 45.8851, 6.6733

Deuteranopia

46.8185, 45.7241, 7.7245



Tritanopia

45.9283, 46.2114, 56.3682

Trichromacy



Original Color

35.8644, 46.1458, 7.0168

Protanomaly

39.3413, 46.0354, 6.8122

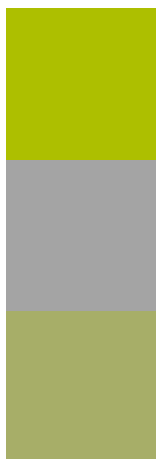
Deuteranomaly

42.0591, 45.3012, 7.1891

Tritanomaly

39.7377, 45.2172, 25.0457

Monochromacy



Original Color

35.8644, 46.1458, 7.0168

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

33.5711, 39.4871, 18.9491

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.8644, 46.1458, 7.0168 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(173, 191, 0)` looks like.

```
.text, #text, p{  
    color:rgb(173, 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(173, 191, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 191, 0) }
```

Border

The CSS property to change the border of an element to XYZ 35.8644, 46.1458, 7.0168 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(173, 191, 0) }
```


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

```
.border{ border-color:rgb(173, 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(173, 191, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 191, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 191, 0);  
box-shadow:4px 4px 4px 4px rgb(173, 191,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 35.8644, 46.1458, 7.0168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 191, 0) }
```

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

```
.background{ background-color: rgb(173,  
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](#).

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