

Converting Colors

XYZ(34.9927, 46.6793, 7.1657)

Have a look what the booklet for
XYZ(34.9927, 46.6793, 7.1657)
contains.

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Color

**XYZ(35.0177, 46.6906,
7.1666)**

Conversions

Conversions Part 1

Format	Color
Hex	A6C200
RGB	166, 194, 0
RGB Percent	65%, 76%, 0%
CMY	0.3490, 0.2392, 0.9999
CMYK	0.14, 0.00, 1.00, 0.24
HSL	69°, 100%, 38%
HSV	69°, 100%, 76%
XYZ	35.0177, 46.6906, 7.1666
YIQ	163.5120, 45.5860, -66.2700

Conversions

Conversions Part 2

Format	Color
RYB	0, 194, 28
Decimal	10928640
CIELab	73.99, -29.45, 74.41
CIELCh	74, 80.023, 111.594
Yxy	46.6906, 0.3940, 0.5254
Android (android.graphics.Color)	4289118720 (0xFFA6C200)
YUV	163.5120, -80.6114, 2.1820
Hunter-Lab	68.3305, -28.1016, 41.6129

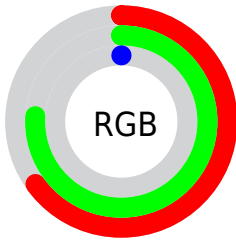
Details

The XYZ color **35.0177, 46.6906, 7.1666** is a dark color, and the websafe version is hex **99CC00**.

The color can be described as dark washed chartreuse. A complement of this color would be **10.2181, 4.1430, 51.3029**, and the grayscale version is **35.4124, 37.2567, 40.5725**.

A 20% lighter version of the original color is **66.7599, 84.9880, 20.8683**, and **15.6848, 22.0074, 3.4212** is the 20% darker color. If you saturate the color by 10%, you get **35.0179, 46.6923, 7.1669**, and if you desaturate by 10%, it is **35.7334, 47.0472, 7.8329**.

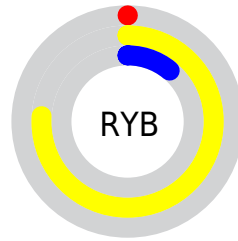
Distribution



Red (65%)

Green (76%)

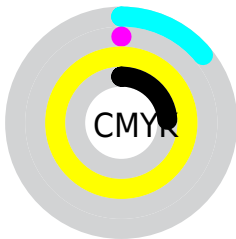
Blue (0%)



Red (0%)

Yellow (76%)

Blue (11%)

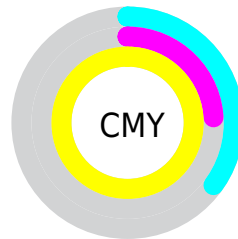


Cyan (14%)

Magenta (0%)

Yellow (100%)

Black (24%)



Cyan (35%)

Magenta (24%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.0177, 46.6906, 7.1666 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 35.0177, 46.6906, 7.1666 by changing the saturation by 10% instead.

■ 35.0177, 46.6906,
7.1666

■ 35.0177, 46.6906,
7.1666

316.1531,
373.5782, 178.7241

■ 23.8431, 32.7911,
3.4865

■ 66.8470, 85.2516,
20.8261

■ 15.3414, 21.9665,
1.3481

■ 88.2325, 110.6819,
31.6426

■ 9.1472, 13.8323,
0.1007

■ 113.7522,
140.7246, 45.6750

■ 4.8952, 8.0041,
0.0000

■ 143.7716,
175.7642, 63.3418

■ 2.2200, 4.0976,
0.0000

■ 178.6561,
216.1849, 85.0616

■ 0.7533, 1.7283,
0.0000

■ 218.7709,

■ 0.0000, 0.4419,

262.3712, 111.2529

0.0000

264.4814,
314.7075, 142.3342

■ 0.0000, 0.0000,
0.0000

■ 35.0177, 46.6906,
7.1666

■ 35.0177, 46.6906,
7.1666

■ 35.0179, 46.6923,
7.1669

■ 35.7334, 47.0472,
7.8329

■ 36.5820, 47.4567,
9.1362

■ 37.6076, 47.9384,
11.3039

■ 38.8323, 48.5014,
14.4525

■ 40.2750, 49.1530,
18.6803

■ 41.9521, 49.9000,
24.0738

■ 43.8785, 50.7482,
30.7107

■ 46.0677, 51.7030,
38.6620

■ 48.5322, 52.7695,
47.9935

Harmonies

Analogous

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



48.5152, 46.6906, 5.9732



35.0177, 46.6906, 7.1666



26.1469, 46.6906, 15.9570

Triad

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



35.0177, 46.6906, 7.1666



29.4089, 46.6906, 140.7480



77.4712, 46.6906, 63.2252

Complementary

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



35.0177, 46.6906, 7.1666



10.2181, 4.1430, 51.3029

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.



69.5682, 46.6906, 117.0322



35.0177, 46.6906, 7.1666



40.4830, 46.6906, 175.1080

Square

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



35.0177, 46.6906, 7.1666



23.4255, 46.6906, 85.6306



55.2733, 46.6906, 164.6581



75.1281, 46.6906, 27.0359

Rectangle

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



35.0177, 46.6906, 7.1666



23.0857, 46.6906, 29.8269



55.2733, 46.6906, 164.6581



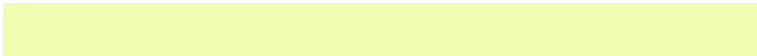
75.8731, 46.6906, 79.9383

Sweetspot

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



35.0188, 46.6927, 7.1676



79.3114, 91.8585, 54.9965



22.6164, 12.2038, 1.1642



17.0293, 19.9671, 10.8596



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.



35.0188, 46.6927, 7.1676



63.2718, 84.5032, 12.9760



21.9025, 39.9311, 6.5537



10.7659, 11.6823, 10.7494



23.0753, 30.7246, 4.7142



1.0369, 1.3481, 0.2056

Inverse Universe

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



10.2181, 4.1430, 51.3029



18.3853, 7.4400, 92.9368



17.8894, 8.0977, 51.6620



9.6606, 9.8162, 12.6704



6.7600, 2.7453, 33.7302



0.3365, 0.1415, 1.4595

Previews

White Background



This preview shows how the XYZ color 35.0177, 46.6906, 7.1666 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 35.0177, 46.6906, 7.1666 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 35.0177, 46.6906, 7.1666

Background



This preview shows how black text looks on a background with the XYZ color 35.0177, 46.6906, 7.1666.



This preview shows how white text looks on a background with the XYZ color 35.0177, 46.6906,

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

35.0177, 46.6906, 7.1666

Protanopia

41.9048, 46.4350, 6.7542

Deuteranopia

47.3401, 46.2729, 7.8753



Tritanopia

45.2276, 46.4064, 58.2033

Trichromacy



Original Color

35.0177, 46.6906, 7.1666

Protanomaly

39.0448, 46.1942, 6.8585

Deuteranomaly

41.9102, 45.8185, 7.3444

Tritanomaly

38.8915, 45.3833, 25.7788

Monochromacy



Original Color

35.0177, 46.6906, 7.1666

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

33.3457, 39.6588, 18.9941

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.0177, 46.6906, 7.1666 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(166, 194, 0)` looks like.

```
.text, #text, p{  
    color:rgb(166, 194, 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(166, 194, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 194, 0) }
```

Border

The CSS property to change the border of an element to XYZ 35.0177, 46.6906, 7.1666 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(166, 194, 0) }
```


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

```
.border{ border-color:rgb(166, 194, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 194, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 194, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 194, 0);  
box-shadow:4px 4px 4px 4px rgb(166, 194,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 35.0177, 46.6906, 7.1666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 194, 0) }
```

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

```
.background{ background-color: rgb(166,  
194, 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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