

Converting Colors

XYZ(35.5277, 48.6334, 7.5147)

Have a look what the booklet for
XYZ(35.5277, 48.6334, 7.5147)
contains.

XYZ(35.5277, 48.6334, 7.5147)	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(35.5277, 48.6334,
7.5147)**

Conversions

Conversions Part 1

Format	Color
Hex	A3C700
RGB	163, 199, 0
RGB Percent	64%, 78%, 0%
CMY	0.3608, 0.2196, 0.9999
CMYK	0.18, 0.00, 1.00, 0.22
HSL	71°, 100%, 39%
HSV	71°, 100%, 78%
XYZ	35.5277, 48.6334, 7.5147
YIQ	165.5500, 42.4230, -69.5210

Conversions

Conversions Part 2

Format	Color
RYB	0, 199, 36
Decimal	10733312
CIELab	75.22, -33.03, 75.24
CIElCh	75, 82.172, 113.698
Yxy	48.6334, 0.3875, 0.5305
Android (android.graphics.Color)	4288923392 (0xFFA3C700)
YUV	165.5500, -81.6161, -2.2363
Hunter-Lab	69.7377, -31.1044, 42.4275

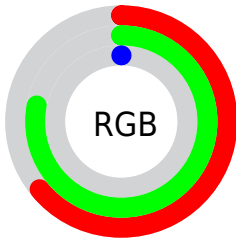
Details

The XYZ color **35.5277, 48.6334, 7.5147** 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 **11.0382, 4.4999, 54.3226**, and the grayscale version is **36.3976, 38.2931, 41.7012**.

A 20% lighter version of the original color is **67.4455, 87.6741, 21.5517**, and **16.0693, 23.3150, 3.6533** is the 20% darker color. If you saturate the color by 10%, you get **35.5278, 48.6351, 7.5150**, and if you desaturate by 10%, it is **36.4022, 49.0713, 8.2114**.

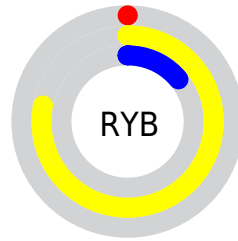
Distribution



Red (64%)

Green (78%)

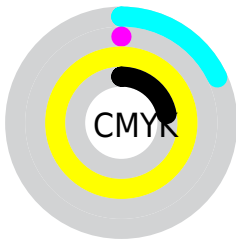
Blue (0%)



Red (0%)

Yellow (78%)

Blue (14%)

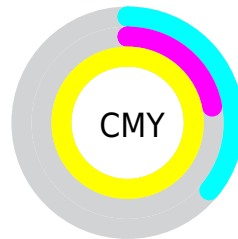


Cyan (18%)

Magenta (0%)

Yellow (100%)

Black (22%)



Cyan (36%)

Magenta (22%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.5277, 48.6334, 7.5147 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 35.5277, 48.6334, 7.5147 by changing the saturation by 10% instead.

35.5277, 48.6334,
7.5147

35.5277, 48.6334,
7.5147

318.3588,
381.2973, 181.6645

24.2381, 34.3288,
3.7027

67.6311, 88.1467,
21.5317

15.6360, 23.1463,
1.4637

89.1756, 114.1242,
32.5737

9.3562, 14.7016,
0.1907

114.8691,
144.7614, 46.8629

5.0332, 8.6102,
0.0000

145.0769,
180.4428, 64.8178

2.3017, 4.4878,
0.0000

180.1644,
221.5526, 86.8568

0.7955, 1.9500,
0.0000

220.4970,

0.0000, 0.5782,

268.4754, 113.3986

0.0000

266.4401,
321.5955, 144.8616

■ 0.0000, 0.0000,
0.0000

■ 35.5277, 48.6334,
7.5147

■ 35.5277, 48.6334,
7.5147

■ 35.5278, 48.6351,
7.5150

■ 36.4022, 49.0713,
8.2114

■ 37.4257, 49.5696,
9.5872

■ 38.6444, 50.1484,
11.8798

■ 40.0822, 50.8173,
15.2132

■ 41.7590, 51.5843,
19.6925

■ 43.6925, 52.4565,
25.4097

■ 45.8986, 53.4403,
32.4475

■ 48.3917, 54.5415,
40.8815

■ 51.1855, 55.7655,
50.7818

Harmonies

Analogous

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



49.4790, 48.6334, 5.8820



35.5277, 48.6334, 7.5147



26.5817, 48.6334, 17.4478

Triad

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



35.5277, 48.6334, 7.5147



31.1025, 48.6334, 151.9587



81.4275, 48.6334, 62.5958

Complementary

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



35.5277, 48.6334, 7.5147



11.0382, 4.4999, 54.3226

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.



73.7346, 48.6334, 118.8568



35.5277, 48.6334, 7.5147



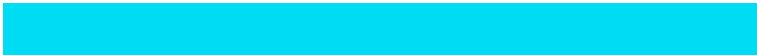
43.1161, 48.6334, 185.7052

Square

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



35.5277, 48.6334, 7.5147



24.4422, 48.6334, 93.8072



58.8782, 48.6334, 171.1075



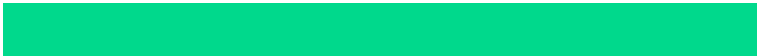
78.1630, 48.6334, 26.1095

Rectangle

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



35.5277, 48.6334, 7.5147



23.6155, 48.6334, 32.9062



58.8782, 48.6334, 171.1075



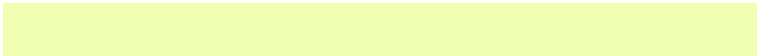
79.9921, 48.6334, 79.8338

Sweetspot

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



35.5288, 48.6356, 7.5157



80.1756, 93.4830, 56.2015



24.1037, 13.2410, 1.2860



16.7964, 19.8471, 10.8487



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.



35.5288, 48.6356, 7.5157



62.0143, 85.0546, 13.1487



22.6951, 42.0196, 6.9151



11.3284, 12.3162, 11.3430



22.9116, 31.3067, 4.8352



1.1353, 1.5084, 0.2313

Inverse Universe

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



11.0382, 4.4999, 54.3226



19.1831, 7.8041, 95.1030



19.9317, 9.0846, 54.7388



10.2327, 10.3782, 13.3814



7.1506, 2.9205, 34.9312



0.3947, 0.1672, 1.6566

Previews

White Background



This preview shows how the XYZ color 35.5277, 48.6334, 7.5147 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 35.5277, 48.6334, 7.5147 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

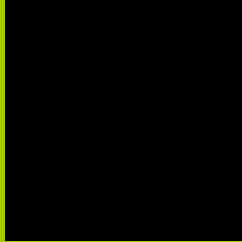
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.5277, 48.6334, 7.5147

Background



This preview shows how black text looks on a background with the XYZ color 35.5277, 48.6334, 7.5147.



This preview shows how white text looks on a background with the XYZ color 35.5277, 48.6334,

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

35.5277, 48.6334, 7.5147

Protanopia

43.6435, 48.2532, 7.0135

Deuteranopia

49.2376, 48.1049, 8.2802



Tritanopia

46.3647, 48.4518, 61.5520

Trichromacy



Original Color

35.5277, 48.6334, 7.5147

Protanomaly

40.1517, 48.0334, 7.1552

Deuteranomaly

43.2977, 47.7488, 7.6935

Tritanomaly

39.4778, 47.2435, 27.1169

Monochromacy



Original Color

35.5277, 48.6334, 7.5147

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

34.0390, 40.8807, 19.7324

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.5277, 48.6334, 7.5147 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(163, 199, 0)` looks like.

```
.text, #text, p{  
    color:rgb(163, 199, 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(163, 199, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 199, 0) }
```

Border

The CSS property to change the border of an element to XYZ 35.5277, 48.6334, 7.5147 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(163, 199, 0) }
```


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

```
.border{ border-color:rgb(163, 199, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 199, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 199, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 199, 0);  
box-shadow:4px 4px 4px 4px rgb(163, 199,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 35.5277, 48.6334, 7.5147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 199, 0) }
```

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

```
.background{ background-color: rgb(163,  
199, 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