

Converting Colors

XYZ(35.1164, 47.8443, 4.1939)

Have a look what the booklet for
XYZ(35.1164, 47.8443, 4.1939)
contains.

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Color

**XYZ(35.6921, 48.0395,
7.3914)**

Conversions

Conversions Part 1

Format	Color
Hex	A6C500
RGB	166, 197, 0
RGB Percent	65%, 77%, 0%
CMY	0.3490, 0.2274, 0.9999
CMYK	0.16, 0.00, 1.00, 0.23
HSL	69°, 100%, 39%
HSV	69°, 100%, 77%
XYZ	35.6921, 48.0395, 7.3914
YIQ	165.2730, 44.7610, -67.8390

Conversions

Conversions Part 2

Format	Color
RYB	0, 197, 31
Decimal	10929408
CIELab	74.85, -30.86, 75.05
CIELCh	75, 81.150, 112.355
Yxy	48.0395, 0.3917, 0.5272
Android (android.graphics.Color)	4289119488 (0xFFA6C500)
YUV	165.2730, -81.4796, 0.6376
Hunter-Lab	69.3105, -29.3732, 42.1946

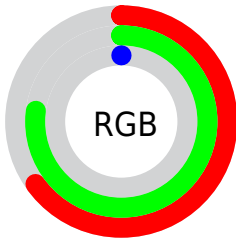
Details

The XYZ color **35.6921, 48.0395, 7.3914** 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 **10.6448, 4.3237, 53.0998**, and the grayscale version is **36.2620, 38.1505, 41.5459**.

A 20% lighter version of the original color is **68.0161, 87.5004, 21.2871**, and **16.1291, 22.8961, 3.5693** is the 20% darker color. If you saturate the color by 10%, you get **35.6923, 48.0412, 7.3917**, and if you desaturate by 10%, it is **36.4748, 48.4304, 8.0746**.

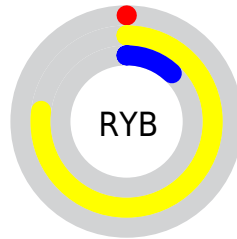
Distribution



Red (65%)

Green (77%)

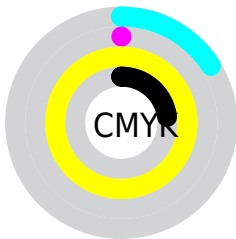
Blue (0%)



Red (0%)

Yellow (77%)

Blue (12%)

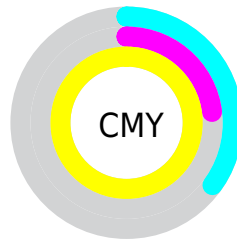


Cyan (16%)

Magenta (0%)

Yellow (100%)

Black (23%)



Cyan (35%)


Magenta (23%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.6921, 48.0395, 7.3914 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 35.6921, 48.0395, 7.3914 by changing the saturation by 10% instead.


 35.6921, 48.0395,
7.3914


 35.6921, 48.0395,
7.3914


319.0675,
378.9487, 180.6299


 24.3655, 33.8582,
3.6259


 67.8835, 87.2632,
21.2825

 15.7312, 22.7847,
1.4225

 89.4791, 113.0744,
32.2452

 9.4238, 14.4346,
0.1591


 115.2284,
143.5310, 46.4441

 5.0779, 8.4235,
0.0000

 145.4967,
179.0173, 64.2977

 2.3283, 4.3671,
0.0000

 180.6494,
219.9179, 86.2245

 0.8091, 1.8810,
0.0000

 221.0519,

 0.0000, 0.5369,

266.6170, 112.6432

0.0000

267.0695,
319.4992, 143.9721

■ 0.0000, 0.0000,
0.0000

■ 35.6921, 48.0395,
7.3914

■ 35.6921, 48.0395,
7.3914

■ 35.6923, 48.0412,
7.3917

■ 36.4748, 48.4304,
8.0746

■ 37.3981, 48.8775,
9.4197

■ 38.5071, 49.4007,
11.6604

■ 39.8250, 50.0094,
14.9176

■ 41.3713, 50.7113,
19.2936

■ 43.1632, 51.5133,
24.8782

■ 45.2161, 52.4216,
31.7521

■ 47.5441, 53.4419,
39.9892

■ 50.1603, 54.5793,
49.6575

Harmonies

Analogous

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



49.5415, 48.0395, 6.0241



35.6921, 48.0395, 7.3914



26.6699, 48.0395, 16.7079

Triad

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



35.6921, 48.0395, 7.3914



30.4245, 48.0395, 146.6953



79.9682, 48.0395, 63.8845

Complementary

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



35.6921, 48.0395, 7.3914



10.6448, 4.3237, 53.0998

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.



72.0266, 48.0395, 119.3285



35.6921, 48.0395, 7.3914



41.9869, 48.0395, 181.3340

Square

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



35.6921, 48.0395, 7.3914



24.1172, 48.0395, 89.7206



57.3301, 48.0395, 169.2718



77.2660, 48.0395, 27.0788

Rectangle

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



35.6921, 48.0395, 7.3914



23.5996, 48.0395, 31.3317



57.3301, 48.0395, 169.2718



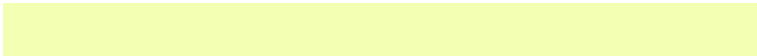
78.4047, 48.0395, 81.0215

Sweetspot

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



35.6932, 48.0417, 7.3924



80.7940, 93.8018, 56.2304



23.4808, 12.7780, 1.2295



16.9459, 19.9241, 10.8557



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.



35.6932, 48.0417, 7.3924



63.7438, 85.9462, 13.2296



22.4194, 41.1988, 6.7712



11.3536, 12.3292, 11.3441



23.5333, 31.6272, 4.8643



1.1596, 1.5209, 0.2324

Inverse Universe

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



10.6448, 4.3237, 53.0998



18.9305, 7.6739, 95.0912



18.9902, 8.6259, 53.4903



10.2096, 10.3663, 13.3803



7.0469, 2.8671, 34.9263



0.3842, 0.1618, 1.6561

Previews

White Background



This preview shows how the XYZ color 35.6921, 48.0395, 7.3914 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 35.6921, 48.0395, 7.3914 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 35.6921, 48.0395, 7.3914

Background



This preview shows how black text looks on a background with the XYZ color 35.6921, 48.0395, 7.3914.



This preview shows how white text looks on a background with the XYZ color 35.6921, 48.0395,

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

35.6921, 48.0395, 7.3914

Protanopia

42.8726, 47.5464, 6.9177

Deuteranopia

48.7035, 47.5434, 8.1232



Tritanopia

46.4179, 47.8893, 60.2231

Trichromacy



Original Color

35.6921, 48.0395, 7.3914

Protanomaly

39.9358, 47.6017, 7.0832

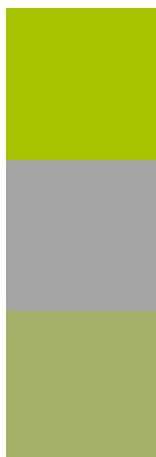
Deuteranomaly

42.8852, 46.9237, 7.5559

Tritanomaly

39.6536, 46.7029, 26.6633

Monochromacy



Original Color

35.6921, 48.0395, 7.3914

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

33.7890, 40.4635, 19.3940

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.6921, 48.0395, 7.3914 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, 197, 0)` looks like.

```
.text, #text, p{  
    color:rgb(166, 197, 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, 197, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 197, 0) }
```

Border

The CSS property to change the border of an element to XYZ 35.6921, 48.0395, 7.3914 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, 197, 0) }
```


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

```
.border{ border-color:rgb(166, 197, 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, 197, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 197, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 197, 0);  
box-shadow:4px 4px 4px 4px rgb(166, 197,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 35.6921, 48.0395, 7.3914 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 197, 0) }
```

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

```
.background{ background-color: rgb(166,  
197, 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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