

Converting Colors

XYZ(36.2805, 48.5231, 4.9199)

Have a look what the booklet for
XYZ(36.2805, 48.5231, 4.9199)
contains.

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Color

**XYZ(36.7608, 48.5904,
7.4414)**

Conversions

Conversions Part 1

Format	Color
Hex	ABC500
RGB	171, 197, 0
RGB Percent	67%, 77%, 0%
CMY	0.3294, 0.2274, 0.9999
CMYK	0.13, 0.00, 1.00, 0.23
HSL	68°, 100%, 39%
HSV	68°, 100%, 77%
XYZ	36.7608, 48.5904, 7.4414
YIQ	166.7680, 47.7410, -66.7790

Conversions

Conversions Part 2

Format	Color
RYB	0, 197, 26
Decimal	11257088
CIELab	75.20, -28.79, 75.46
CIELCh	75, 80.770, 110.883
Yxy	48.5904, 0.3962, 0.5236
Android (android.graphics.Color)	4289447168 (0xFFABC500)
YUV	166.7680, -82.2166, 3.7115
Hunter-Lab	69.7068, -27.8526, 42.4654

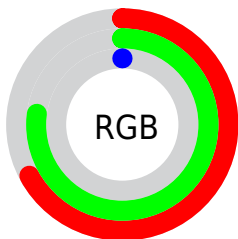
Details

The XYZ color **36.7608, 48.5904, 7.4414** 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 **10.5056, 4.2519, 53.0933**, and the grayscale version is **36.9913, 38.9177, 42.3814**.

A 20% lighter version of the original color is **69.5979, 88.3158, 21.3611**, and **16.7619, 23.2223, 3.5989** is the 20% darker color. If you saturate the color by 10%, you get **36.7611, 48.5922, 7.4417**, and if you desaturate by 10%, it is **37.4578, 48.9371, 8.1205**.

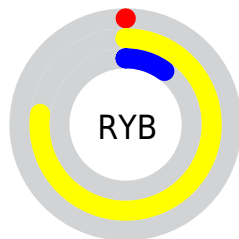
Distribution



Red (67%)

Green (77%)

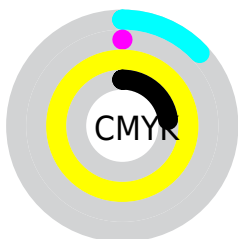
Blue (0%)



Red (0%)

Yellow (77%)

Blue (10%)

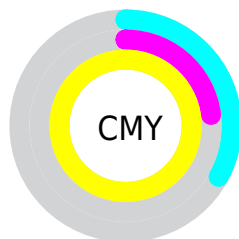


Cyan (13%)

Magenta (0%)

Yellow (100%)

Black (23%)



Cyan (33%)


Magenta (23%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.7608, 48.5904, 7.4414 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 36.7608, 48.5904, 7.4414 by changing the saturation by 10% instead.


 36.7608, 48.5904,
7.4414


 36.7608, 48.5904,
7.4414


323.6473,
381.1276, 181.0504


 25.1952, 34.2947,
3.6570


 69.5210, 88.0828,
21.3836

 16.3520, 23.1201,
1.4392


 91.4462, 114.0483,
32.3786

 9.8660, 14.6822,
0.1720


 117.5554,
144.6724, 46.6142

 5.3718, 8.5966,
0.0000

 148.2138,
180.3397, 64.5090

 2.5040, 4.4790,
0.0000

 183.7868,
221.4344, 86.4814

 0.8973, 1.9450,
0.0000

 224.6399,

 0.0000, 0.5752,

268.3411, 112.9501

0.0000

271.1382,
321.4440, 144.3336

■ 0.0000, 0.0000,
0.0000

■ 36.7608, 48.5904,
7.4414

■ 36.7608, 48.5904,
7.4414

■ 36.7611, 48.5922,
7.4417

■ 37.4578, 48.9371,
8.1205

■ 38.2906, 49.3376,
9.4615

■ 39.3046, 49.8119,
11.6977

■ 40.5229, 50.3692,
14.9502

■ 41.9649, 51.0173,
19.3213

■ 43.6477, 51.7631,
24.9008

■ 45.5867, 52.6127,
31.7694

■ 47.7960, 53.5717,
40.0008

■ 50.2886, 54.6454,
49.6633

Harmonies

Analogous

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



50.8431, 48.5904, 6.3317



36.7608, 48.5904, 7.4414



27.4300, 48.5904, 16.3371

Triad

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



36.7608, 48.5904, 7.4414



30.4503, 48.5904, 144.7258



80.3815, 48.5904, 66.9058

Complementary

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



36.7608, 48.5904, 7.4414



10.5056, 4.2519, 53.0933

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.



71.9800, 48.5904, 122.8185



36.7608, 48.5904, 7.4414



41.8180, 48.5904, 181.1440

Square

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



36.7608, 48.5904, 7.4414



24.3645, 48.5904, 87.6166



57.0932, 48.5904, 171.4939



78.2158, 48.5904, 28.8404

Rectangle

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



36.7608, 48.5904, 7.4414



24.1691, 48.5904, 30.4450



57.0932, 48.5904, 171.4939



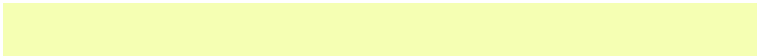
78.6429, 48.5904, 84.3527

Sweetspot

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



36.7619, 48.5926, 7.4424



81.4676, 94.1490, 56.2620



23.3338, 12.4840, 1.1805



17.1089, 20.0082, 10.8633



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.



36.7619, 48.5926, 7.4424



65.6808, 86.9447, 13.3203



22.9110, 41.4522, 6.7942



11.3809, 12.3433, 11.3454



24.2288, 31.9857, 4.8969



1.1865, 1.5348, 0.2337

Inverse Universe

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



10.5056, 4.2519, 53.0933



18.6987, 7.5544, 95.0804



18.0336, 8.1328, 53.4456



10.1847, 10.3535, 13.3791



6.9498, 2.8170, 34.9218



0.3729, 0.1560, 1.6556

Previews

White Background



This preview shows how the XYZ color 36.7608, 48.5904, 7.4414 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 36.7608, 48.5904, 7.4414 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 36.7608, 48.5904, 7.4414

Background



This preview shows how black text looks on a background with the XYZ color 36.7608, 48.5904, 7.4414.



This preview shows how white text looks on a background with the XYZ color 36.7608, 48.5904,

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

36.7608, 48.5904, 7.4414

Protanopia

43.6435, 48.2532, 7.0135

Deuteranopia

49.2230, 48.0991, 8.2031



Tritanopia

47.3762, 48.3833, 60.2680

Trichromacy



Original Color

36.7608, 48.5904, 7.4414

Protanomaly

40.7033, 47.9973, 7.1191

Deuteranomaly

43.6566, 47.6265, 7.6509

Tritanomaly

40.8052, 47.2966, 26.7171

Monochromacy



Original Color

36.7608, 48.5904, 7.4414

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

34.6704, 41.2062, 19.7619

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7608, 48.5904, 7.4414 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(171, 197, 0)` looks like.

```
.text, #text, p{  
    color:rgb(171, 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(171, 197, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 197, 0) }
```

Border

The CSS property to change the border of an element to XYZ 36.7608, 48.5904, 7.4414 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(171, 197, 0) }
```


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

```
.border{ border-color:rgb(171, 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(171, 197, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 197, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 197, 0);  
box-shadow:4px 4px 4px 4px rgb(171, 197,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 36.7608, 48.5904, 7.4414 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 197, 0) }
```

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

```
.background{ background-color: rgb(171,  
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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