

Converting Colors

XYZ(35.8270, 47.7747, 7.3332)

Have a look what the booklet for
XYZ(35.8270, 47.7747, 7.3332)
contains.

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Color

**XYZ(35.8884, 47.8047,
7.3357)**

Conversions

Conversions Part 1

Format	Color
Hex	A8C400
RGB	168, 196, 0
RGB Percent	66%, 77%, 0%
CMY	0.3412, 0.2314, 0.9999
CMYK	0.14, 0.00, 1.00, 0.23
HSL	69°, 100%, 38%
HSV	69°, 100%, 77%
XYZ	35.8884, 47.8047, 7.3357
YIQ	165.2840, 46.2280, -66.8920

Conversions

Conversions Part 2

Format	Color
RYB	0, 196, 28
Decimal	11060224
CIELab	74.70, -29.57, 75.00
CIELCh	75, 80.618, 111.515
Yxy	47.8047, 0.3943, 0.5252
Android (android.graphics.Color)	4289250304 (0xFFA8C400)
YUV	165.2840, -81.4850, 2.3819
Hunter-Lab	69.1409, -28.3442, 42.1081

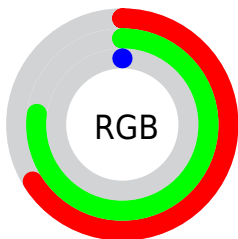
Details

The XYZ color **35.8884, 47.8047, 7.3357** 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 **10.4442, 4.2335, 52.4941**, and the grayscale version is **36.2668, 38.1555, 41.5514**.

A 20% lighter version of the original color is **68.3268, 87.1906, 21.2109**, and **16.2285, 22.7255, 3.5311** is the 20% darker color. If you saturate the color by 10%, you get **35.8887, 47.8065, 7.3360**, and if you desaturate by 10%, it is **36.6151, 48.1667, 8.0116**.

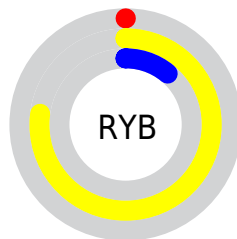
Distribution



Red (66%)

Green (77%)

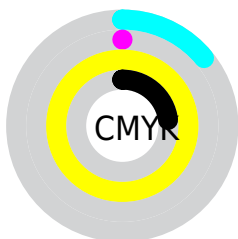
Blue (0%)



Red (0%)

Yellow (77%)

Blue (11%)

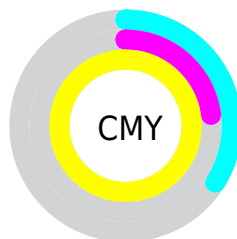


Cyan (14%)

Magenta (0%)

Yellow (100%)

Black (23%)



Cyan (34%)


Magenta (23%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.8884, 47.8047, 7.3357 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 35.8884, 47.8047, 7.3357 by changing the saturation by 10% instead.


 35.8884, 47.8047,
7.3357


 35.8884, 47.8047,
7.3357


319.9123,
378.0175, 180.1601


 24.5177, 33.6723,
3.5913


 68.1848, 86.9136,
21.1697

 15.8449, 22.6419,
1.4039


 89.8412, 112.6587,
32.0964


 9.5046, 14.3293,
0.1448


 115.6569,
143.0436, 46.2542

 5.1315, 8.3501,
0.0000

 145.9973,
178.4526, 64.0618

 2.3602, 4.3198,
0.0000

 181.2276,
219.2701, 85.9376

 0.8252, 1.8540,
0.0000

 221.7133,

 0.0000, 0.5205,

265.8805, 112.3003

0.0000

267.8198,
318.6681, 143.5682

■ 0.0000, 0.0000,
0.0000

■ 35.8884, 47.8047,
7.3357

■ 35.8884, 47.8047,
7.3357

■ 35.8887, 47.8065,
7.3360

■ 36.6151, 48.1667,
8.0116

■ 37.4778, 48.5830,
9.3410

■ 38.5214, 49.0730,
11.5554

■ 39.7688, 49.6461,
14.7743

■ 41.2391, 50.3099,
19.0985

■ 42.9492, 51.0712,
24.6169

■ 44.9145, 51.9360,
31.4091

■ 47.1488, 52.9100,
39.5479

■ 49.6649, 53.9982,
49.1008

Harmonies

Analogous

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



49.7120, 47.8047, 6.1284



35.8884, 47.8047, 7.3357



26.7950, 47.8047, 16.3078

Triad

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



35.8884, 47.8047, 7.3357



30.0934, 47.8047, 143.9123



79.2931, 47.8047, 64.8560

Complementary

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



35.8884, 47.8047, 7.3357



10.4442, 4.2335, 52.4941

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.



71.1818, 47.8047, 119.9380



35.8884, 47.8047, 7.3357



41.4143, 47.8047, 179.1659

Square

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



35.8884, 47.8047, 7.3357



23.9829, 47.8047, 87.5072



56.5446, 47.8047, 168.6025



76.9242, 47.8047, 27.7584

Rectangle

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



35.8884, 47.8047, 7.3357



23.6524, 47.8047, 30.4722



56.5446, 47.8047, 168.6025



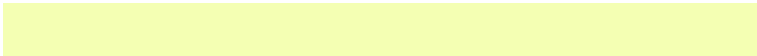
77.6484, 47.8047, 81.9739

Sweetspot

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



35.8895, 47.8069, 7.3367



81.1782, 93.9998, 56.2484



23.1391, 12.4820, 1.1903



17.0388, 19.9720, 10.8600



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.



35.8895, 47.8069, 7.3367



64.8416, 86.5121, 13.2810



22.4049, 40.8553, 6.7056



10.7674, 11.6831, 10.7494



23.1144, 30.7448, 4.7161



1.0383, 1.3488, 0.2056

Inverse Universe

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



10.4442, 4.2335, 52.4941



18.7930, 7.6030, 95.0848



18.2977, 8.2821, 52.8617



9.6593, 9.8155, 12.6703



6.7545, 2.7425, 33.7300



0.3359, 0.1412, 1.4594

Previews

White Background



This preview shows how the XYZ color 35.8884, 47.8047, 7.3357 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 35.8884, 47.8047, 7.3357 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 35.8884, 47.8047, 7.3357

Background



This preview shows how black text looks on a background with the XYZ color 35.8884, 47.8047, 7.3357.

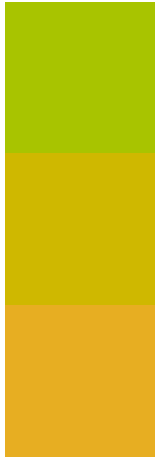


This preview shows how white text looks on a background with the XYZ color 35.8884, 47.8047,

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

35.8884, 47.8047, 7.3357

Protanopia

42.8726, 47.5464, 6.9177

Deuteranopia

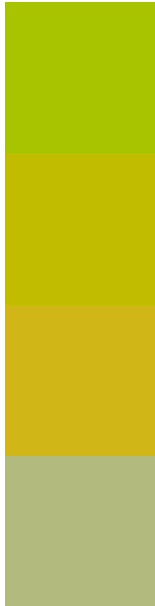
48.3798, 47.3765, 8.1081



Tritanopia

46.3344, 47.5544, 59.5602

Trichromacy



Original Color

35.8884, 47.8047, 7.3357

Protanomaly

39.9755, 47.3039, 7.0236

Deuteranomaly

42.8852, 46.9237, 7.5559

Tritanomaly

39.8321, 46.4863, 26.2754

Monochromacy



Original Color

35.8884, 47.8047, 7.3357

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

33.8010, 40.1776, 19.3381

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.8884, 47.8047, 7.3357 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(168, 196, 0)` looks like.

```
.text, #text, p{  
    color:rgb(168, 196, 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(168, 196, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 196, 0) }
```

Border

The CSS property to change the border of an element to XYZ 35.8884, 47.8047, 7.3357 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(168, 196, 0) }
```


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

```
.border{ border-color:rgb(168, 196, 0) }
```

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

Here you see how a box with a 4 pixel rgb(168, 196, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 196, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 196, 0);  
box-shadow:4px 4px 4px 4px rgb(168, 196,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 35.8884, 47.8047, 7.3357 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 196, 0) }
```

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

```
.background{ background-color: rgb(168,  
196, 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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