

Converting Colors

XYZ(35.1672, 47.0015, 3.3675)

Have a look what the booklet for
XYZ(35.1672, 47.0015, 3.3675)
contains.

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Color

**XYZ(35.8694, 47.1296,
7.2064)**

Conversions

Conversions Part 1

Format	Color
Hex	AAC200
RGB	170, 194, 0
RGB Percent	67%, 76%, 0%
CMY	0.3333, 0.2392, 0.9999
CMYK	0.12, 0.00, 1.00, 0.24
HSL	67°, 100%, 38%
HSV	67°, 100%, 76%
XYZ	35.8694, 47.1296, 7.2064
YIQ	164.7080, 47.9700, -65.4220

Conversions

Conversions Part 2

Format	Color
RYB	0, 194, 24
Decimal	11190784
CIELab	74.27, -27.78, 74.74
CIELCh	74, 79.738, 110.389
Yxy	47.1296, 0.3976, 0.5225
Android (android.graphics.Color)	4289380864 (0xFFAAC200)
YUV	164.7080, -81.2010, 4.6411
Hunter-Lab	68.6510, -26.8749, 41.8319

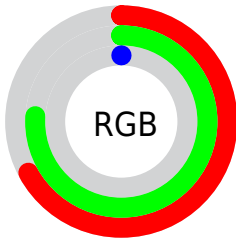
Details

The XYZ color **35.8694, 47.1296, 7.2064** 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 **10.1157, 4.0902, 51.2981**, and the grayscale version is **35.9871, 37.8612, 41.2309**.

A 20% lighter version of the original color is **68.0217, 85.6384, 20.9274**, and **16.1881, 22.2669, 3.4447** is the 20% darker color. If you saturate the color by 10%, you get **35.8698, 47.1314, 7.2067**, and if you desaturate by 10%, it is **36.5153, 47.4502, 7.8694**.

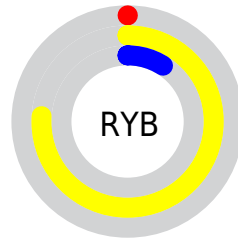
Distribution



Red (67%)

Green (76%)

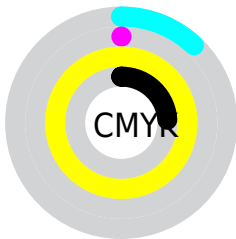
Blue (0%)



Red (0%)

Yellow (76%)

Blue (9%)

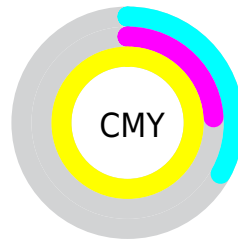


Cyan (12%)

Magenta (0%)

Yellow (100%)

Black (24%)



Cyan (33%)


Magenta (24%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.8694, 47.1296, 7.2064 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 35.8694, 47.1296, 7.2064 by changing the saturation by 10% instead.


 35.8694, 47.1296,
7.2064


 35.8694, 47.1296,
7.2064


319.8306,
375.3316, 179.0634


 24.5030, 33.1381,
3.5111


 68.1556, 85.9070,
20.9071

 15.8339, 22.2323,
1.3612


 89.8062, 111.4618,
31.7497


 9.4968, 14.0277,
0.1111


 115.6154,
141.6398, 45.8117

 5.1263, 8.1399,
0.0000

 145.9488,
176.8253, 63.5118

 2.3571, 4.1846,
0.0000

 181.1717,
217.4029, 85.2685

 0.8236, 1.7774,
0.0000

 221.6493,

 0.0000, 0.4730,

263.7569, 111.5003

0.0000

267.7472,
316.2717, 142.6257

■ 0.0000, 0.0000,
0.0000

■ 35.8694, 47.1296,
7.2064

■ 35.8694, 47.1296,
7.2064

■ 35.8698, 47.1314,
7.2067

■ 36.5153, 47.4502,
7.8694

■ 37.2907, 47.8220,
9.1692

■ 38.2398, 48.2643,
11.3333

■ 39.3846, 48.7861,
14.4780

■ 40.7439, 49.3947,
18.7018

■ 42.3341, 50.0969,
24.0911

■ 44.1702, 50.8985,
30.7237

■ 46.2656, 51.8050,
38.6705

■ 48.6327, 52.8213,
47.9973

Harmonies

Analogous

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



49.5521, 47.1296, 6.2193



35.8694, 47.1296, 7.2064



26.7524, 47.1296, 15.6676

Triad

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



35.8694, 47.1296, 7.2064



29.4313, 47.1296, 139.2139



77.8036, 47.1296, 65.6421

Complementary

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



35.8694, 47.1296, 7.2064



10.1157, 4.0902, 51.2981

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.



69.5370, 47.1296, 119.8144



35.8694, 47.1296, 7.2064



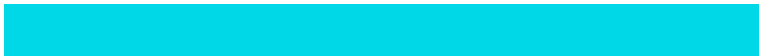
40.3530, 47.1296, 174.9734

Square

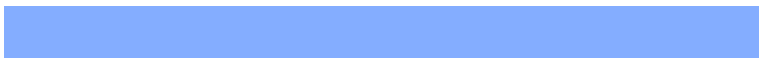
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



35.8694, 47.1296, 7.2064



23.6225, 47.1296, 83.9907



55.0912, 47.1296, 166.4296



75.8850, 47.1296, 28.4507

Rectangle

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



35.8694, 47.1296, 7.2064



23.5390, 47.1296, 29.1359



55.0912, 47.1296, 166.4296



76.0671, 47.1296, 82.5996

Sweetspot

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



35.8705, 47.1318, 7.2074



79.8484, 92.1353, 55.0216



22.5490, 12.0691, 1.1417



17.1625, 20.0358, 10.8658



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.



35.8705, 47.1318, 7.2074



64.8346, 85.3089, 13.0491



22.1465, 40.0568, 6.5651



10.7868, 11.6931, 10.7503



23.6292, 31.0101, 4.7402



1.0561, 1.3580, 0.2065

Inverse Universe

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



10.1157, 4.0902, 51.2981



18.2144, 7.3519, 92.9288



17.4349, 7.8634, 51.6406



9.6416, 9.8064, 12.6695



6.6882, 2.7083, 33.7269



0.3280, 0.1371, 1.4591

Previews

White Background



This preview shows how the XYZ color 35.8694, 47.1296, 7.2064 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 35.8694, 47.1296, 7.2064 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

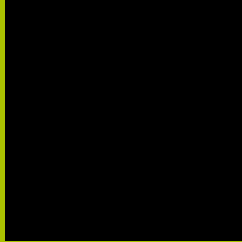
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.8694, 47.1296, 7.2064

Background



This preview shows how black text looks on a background with the XYZ color 35.8694, 47.1296, 7.2064.



This preview shows how white text looks on a background with the XYZ color 35.8694, 47.1296,

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

35.8694, 47.1296, 7.2064

Protanopia

42.3871, 46.9888, 6.8357

Deuteranopia

47.8512, 46.8199, 7.9540



Tritanopia

46.1792, 46.8969, 58.2479

Trichromacy



Original Color

35.8694, 47.1296, 7.2064

Protanomaly

39.7626, 46.8781, 6.9527

Deuteranomaly

42.6717, 46.5118, 7.4381

Tritanomaly

39.8094, 45.8565, 25.8218

Monochromacy



Original Color

35.8694, 47.1296, 7.2064

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

34.0115, 40.2861, 19.3480

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.8694, 47.1296, 7.2064 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(170, 194, 0)` looks like.

```
.text, #text, p{  
    color:rgb(170, 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(170, 194, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 194, 0) }
```

Border

The CSS property to change the border of an element to XYZ 35.8694, 47.1296, 7.2064 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(170, 194, 0) }
```


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

```
.border{ border-color:rgb(170, 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(170, 194, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 194, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 194, 0);  
box-shadow:4px 4px 4px 4px rgb(170, 194,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 35.8694, 47.1296, 7.2064 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 194, 0) }
```

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

```
.background{ background-color: rgb(170,  
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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