

Converting Colors

XYZ(36.8503, 47.7144, 6.0315)

Have a look what the booklet for
XYZ(36.8503, 47.7144, 6.0315)
contains.

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Color

**XYZ(36.9710, 47.6975,
7.2580)**

Conversions

Conversions Part 1

Format	Color
Hex	AFC200
RGB	175, 194, 0
RGB Percent	69%, 76%, 0%
CMY	0.3137, 0.2392, 0.9999
CMYK	0.10, 0.00, 1.00, 0.24
HSL	66°, 100%, 38%
HSV	66°, 100%, 76%
XYZ	36.9710, 47.6975, 7.2580
YIQ	166.2030, 50.9500, -64.3620

Conversions

Conversions Part 2

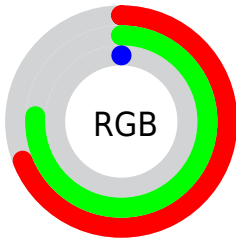
Format	Color
RYB	0, 194, 19
Decimal	11518464
CIELab	74.63, -25.68, 75.17
CIELCh	75, 79.436, 108.858
Yxy	47.6975, 0.4022, 0.5189
Android (android.graphics.Color)	4289708544 (0xFFAFC200)
YUV	166.2030, -81.9381, 7.7150
Hunter-Lab	69.0634, -25.3063, 42.1135

Details

The XYZ color **36.9710, 47.6975, 7.2580** is a dark color, and the websafe version is hex **CCCC00**. The color can be described as dark washed chartreuse. A complement of this color would be **10.0075, 4.0345, 51.2931**, and the grayscale version is **36.7132, 38.6251, 42.0628**.

A 20% lighter version of the original color is **69.6403, 86.4728, 21.0031**, and **16.9961, 22.9013, 3.5246** is the 20% darker color. If you saturate the color by 10%, you get **36.9714, 47.6994, 7.2583**, and if you desaturate by 10%, it is **37.5228, 47.9696, 7.9166**.

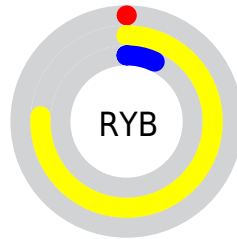
Distribution



Red (69%)

Green (76%)

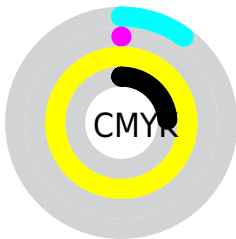
Blue (0%)



Red (0%)

Yellow (76%)

Blue (7%)

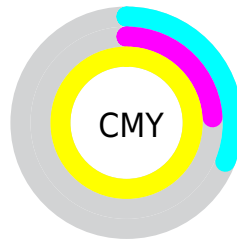


Cyan (10%)

Magenta (0%)

Yellow (100%)

Black (24%)



Cyan (31%)

Magenta (24%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.9710, 47.6975, 7.2580 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 36.9710, 47.6975, 7.2580 by changing the saturation by 10% instead.

36.9710, 47.6975,
7.2580

36.9710, 47.6975,
7.2580

324.5427,
377.5918, 179.5021

25.3586, 33.5874,
3.5431

69.8423, 86.7538,
21.0120

16.4746, 22.5768,
1.3782

91.8319, 112.4689,
31.8882

9.9536, 14.2813,
0.1246

118.0113,
142.8210, 45.9886

5.4302, 8.3166,
0.0000

148.7459,
178.1946, 63.7317

2.5392, 4.2982,
0.0000

184.4009,
218.9741, 85.5361

0.9150, 1.8417,
0.0000

225.3419,

0.0000, 0.5130,

265.5439, 111.8202

0.0000

271.9340,
318.2883, 143.0027

■ 0.0000, 0.0000,
0.0000

■ 36.9710, 47.6975,
7.2580

■ 36.9710, 47.6975,
7.2580

■ 36.9714, 47.6994,
7.2583

■ 37.5228, 47.9696,
7.9166

■ 38.2006, 48.2911,
9.2119

■ 39.0485, 48.6813,
11.3714

■ 40.0886, 49.1490,
14.5113

■ 41.3397, 49.7019,
18.7301

■ 42.8181, 50.3464,
24.1143

■ 44.5387, 51.0885,
30.7416

■ 46.5149, 51.9336,
38.6830

■ 48.7594, 52.8866,
48.0041

Harmonies

Analogous

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



50.8919, 47.6975, 6.5402



36.9710, 47.6975, 7.2580



27.5351, 47.6975, 15.3106

Triad

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



36.9710, 47.6975, 7.2580



29.4657, 47.6975, 137.3266



78.2419, 47.6975, 68.7924

Complementary

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



36.9710, 47.6975, 7.2580



10.0075, 4.0345, 51.2931

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.



69.5132, 47.6975, 123.4144



36.9710, 47.6975, 7.2580



40.1982, 47.6975, 174.8446

Square

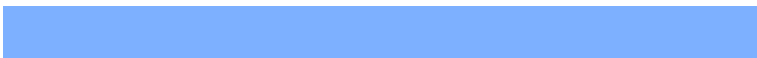
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



36.9710, 47.6975, 7.2580



23.8774, 47.6975, 81.9707



54.8740, 47.6975, 168.7214



76.8643, 47.6975, 30.3107

Rectangle

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



36.9710, 47.6975, 7.2580



24.1241, 47.6975, 28.2855



54.8740, 47.6975, 168.7214



76.3294, 47.6975, 86.0589

Sweetspot

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



36.9721, 47.6997, 7.2590



80.5259, 92.4846, 55.0533



22.4376, 11.8462, 1.1046



17.3307, 20.1225, 10.8737



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.



36.9721, 47.6997, 7.2590



66.8568, 86.3514, 13.1438



22.6734, 40.3284, 6.5898



10.8130, 11.7066, 10.7516



24.3450, 31.3792, 4.7737



1.0806, 1.3706, 0.2076

Inverse Universe

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



10.0075, 4.0345, 51.2931



18.0365, 7.2601, 92.9205



16.5715, 7.4184, 51.6003



9.6178, 9.7941, 12.6684



6.6115, 2.6688, 33.7233



0.3173, 0.1316, 1.4586

Previews

White Background



This preview shows how the XYZ color 36.9710, 47.6975, 7.2580 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 36.9710, 47.6975, 7.2580 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 36.9710, 47.6975, 7.2580

Background



This preview shows how black text looks on a background with the XYZ color 36.9710, 47.6975, 7.2580.



This preview shows how white text looks on a background with the XYZ color 36.9710, 47.6975,

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

36.9710, 47.6975, 7.2580

Protanopia

42.8726, 47.5464, 6.9177

Deuteranopia

48.3518, 47.3653, 7.9605



Tritanopia

47.1579, 47.4015, 58.2937

Trichromacy



Original Color

36.9710, 47.6975, 7.2580

Protanomaly

40.4889, 47.5685, 7.0477

Deuteranomaly

43.5141, 46.9471, 7.4301

Tritanomaly

40.7542, 46.3435, 25.8660

Monochromacy



Original Color

36.9710, 47.6975, 7.2580

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

34.4890, 40.5263, 19.6403

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.9710, 47.6975, 7.2580 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(175, 194, 0)` looks like.

```
.text, #text, p{  
    color:rgb(175, 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(175, 194, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 194, 0) }
```

Border

The CSS property to change the border of an element to XYZ 36.9710, 47.6975, 7.2580 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(175, 194, 0) }
```


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

```
.border{ border-color:rgb(175, 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(175, 194, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 194, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 194, 0);  
box-shadow:4px 4px 4px 4px rgb(175, 194,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 36.9710, 47.6975, 7.2580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 194, 0) }
```

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

```
.background{ background-color: rgb(175,  
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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