

Converting Colors

XYZ(36.9620, 50.1120, 4.4539)

Have a look what the booklet for
XYZ(36.9620, 50.1120, 4.4539)
contains.

XYZ(37.6812, 50.4312, 7.7482)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(37.6812, 50.4312,
7.7482)**

Conversions

Conversions Part 1

Format	Color
Hex	ABC900
RGB	171, 201, 0
RGB Percent	67%, 79%, 0%
CMY	0.3294, 0.2117, 0.9999
CMYK	0.15, 0.00, 1.00, 0.21
HSL	69°, 100%, 39%
HSV	69°, 100%, 79%
XYZ	37.6812, 50.4312, 7.7482
YIQ	169.1160, 46.6410, -68.8710

Conversions

Conversions Part 2

Format	Color
RYB	0, 201, 30
Decimal	11258112
CIELab	76.33, -30.68, 76.32
CIElCh	76, 82.252, 111.900
Yxy	50.4312, 0.3931, 0.5261
Android (android.graphics.Color)	4289448192 (0xFFABC900)
YUV	169.1160, -83.3742, 1.6523
Hunter-Lab	71.0149, -29.5623, 43.2415

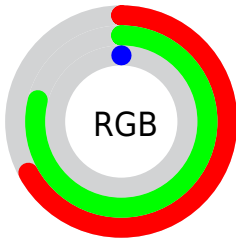
Details

The XYZ color **37.6812, 50.4312, 7.7482** 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 **11.0797, 4.4943, 55.5449**, and the grayscale version is **38.1558, 40.1429, 43.7156**.

A 20% lighter version of the original color is **69.9545, 88.9675, 21.6691**, and **17.3731, 24.4448, 3.8027** is the 20% darker color. If you saturate the color by 10%, you get **37.6814, 50.4330, 7.7485**, and if you desaturate by 10%, it is **38.4708, 50.8252, 8.4503**.

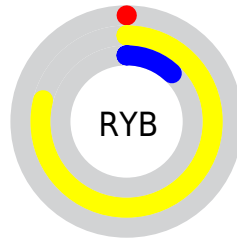
Distribution



Red (67%)

Green (79%)

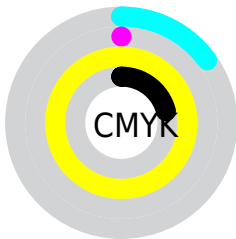
Blue (0%)



Red (0%)

Yellow (79%)

Blue (12%)

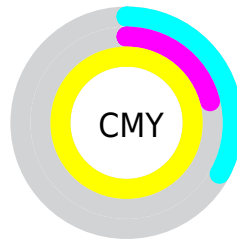


Cyan (15%)

Magenta (0%)

Yellow (100%)

Black (21%)



Cyan (33%)

Magenta (21%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.6812, 50.4312, 7.7482 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 37.6812, 50.4312, 7.7482 by changing the saturation by 10% instead.

37.6812, 50.4312,
7.7482

37.6812, 50.4312,
7.7482

327.5550,
388.3498, 183.6037

25.9114, 35.7561,
3.8488

70.9263, 90.8134,
22.0013

16.8897, 24.2459,
1.5428

93.1323, 117.2894,
33.1920

10.2507, 15.5161,
0.2495

119.5479,
148.4678, 47.6503

5.6290, 9.1824,
0.0000

150.5382,
184.7330, 65.7947

2.6594, 4.8604,
0.0000

186.4687,
226.4694, 88.0437

0.9763, 2.1656,
0.0000

227.7048,

0.0000, 0.7011,

274.0614, 114.8158

0.0000

274.6118,
327.8934, 146.5296

■ 0.0000, 0.0000,
0.0000

■ 37.6812, 50.4312,
7.7482

■ 37.6812, 50.4312,
7.7482

■ 37.6814, 50.4330,
7.7485

■ 38.4708, 50.8252,
8.4503

■ 39.4063, 51.2776,
9.8482

■ 40.5349, 51.8088,
12.1839

■ 41.8807, 52.4287,
15.5846

■ 43.4643, 53.1455,
20.1579

■ 45.3036, 53.9664,
25.9982

■ 47.4149, 54.8978,
33.1904

■ 49.8131, 55.9457,
41.8119

■ 52.5116, 57.1157,
51.9343

Harmonies

Analogous

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



52.2441, 50.4312, 6.4004



37.6812, 50.4312, 7.7482



28.1439, 50.4312, 17.3567

Triad

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



37.6812, 50.4312, 7.7482



31.8346, 50.4312, 152.8120



83.7864, 50.4312, 67.7984

Complementary

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



37.6812, 50.4312, 7.7482



11.0797, 4.4943, 55.5449

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.



75.3298, 50.4312, 125.9517



37.6812, 50.4312, 7.7482



43.8665, 50.4312, 189.6263

Square

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



37.6812, 50.4312, 7.7482



25.3085, 50.4312, 93.1672



59.8944, 50.4312, 177.7895



81.1333, 50.4312, 28.8901

Rectangle

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



37.6812, 50.4312, 7.7482



24.8708, 50.4312, 32.4854



59.8944, 50.4312, 177.7895



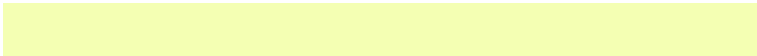
82.0941, 50.4312, 85.8259

Sweetspot

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



37.6823, 50.4335, 7.7493



81.0084, 93.9123, 56.2405



24.4767, 13.1939, 1.2573



16.9977, 19.9509, 10.8581



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.



37.6823, 50.4335, 7.7493



64.3543, 86.2609, 13.2582



23.6902, 43.2203, 7.0944



11.3623, 12.3337, 11.3445



23.7526, 31.7402, 4.8746



1.1681, 1.5253, 0.2328

Inverse Universe

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



11.0797, 4.4943, 55.5449



18.8519, 7.6334, 95.0875



19.3424, 8.7538, 55.9316



10.2016, 10.3622, 13.3799



7.0142, 2.8502, 34.9248



0.3806, 0.1599, 1.6560

Previews

White Background



This preview shows how the XYZ color 37.6812, 50.4312, 7.7482 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 37.6812, 50.4312, 7.7482 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 37.6812, 50.4312, 7.7482

Background



This preview shows how black text looks on a background with the XYZ color 37.6812, 50.4312, 7.7482.



This preview shows how white text looks on a background with the XYZ color 37.6812, 50.4312,

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

37.6812, 50.4312, 7.7482

Protanopia

45.1346, 49.9635, 7.2651

Deuteranopia

51.1488, 49.9667, 8.5388



Tritanopia

48.9245, 50.3697, 63.0208

Trichromacy



Original Color

37.6812, 50.4312, 7.7482

Protanomaly

42.0959, 50.0102, 7.4343

Deuteranomaly

45.1443, 49.3219, 7.8998

Tritanomaly

41.8681, 49.1080, 28.0410

Monochromacy



Original Color

37.6812, 50.4312, 7.7482

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

35.8082, 42.6765, 20.5375

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.6812, 50.4312, 7.7482 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, 201, 0)` looks like.

```
.text, #text, p{  
    color:rgb(171, 201, 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, 201, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 201, 0) }
```

Border

The CSS property to change the border of an element to XYZ 37.6812, 50.4312, 7.7482 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, 201, 0) }
```


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

```
.border{ border-color:rgb(171, 201, 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, 201, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 201, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 201, 0);  
box-shadow:4px 4px 4px 4px rgb(171, 201,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 37.6812, 50.4312, 7.7482 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 201, 0) }
```

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

```
.background{ background-color: rgb(171,  
201, 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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