

Converting Colors

XYZ(37.5609, 49.9318, 7.6581)

Have a look what the booklet for
XYZ(37.5609, 49.9318, 7.6581)
contains.

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Color

**XYZ(37.6675, 50.0792,
7.6810)**

Conversions

Conversions Part 1

Format	Color
Hex	ACC800
RGB	172, 200, 0
RGB Percent	67%, 78%, 0%
CMY	0.3255, 0.2157, 0.9999
CMYK	0.14, 0.00, 1.00, 0.22
HSL	68°, 100%, 39%
HSV	68°, 100%, 78%
XYZ	37.6675, 50.0792, 7.6810
YIQ	168.8280, 47.5120, -68.1360

Conversions

Conversions Part 2

Format	Color
RYB	0, 200, 28
Decimal	11323392
CIELab	76.12, -29.79, 76.19
CIELCh	76, 81.804, 111.360
Yxy	50.0792, 0.3947, 0.5248
Android (android.graphics.Color)	4289513472 (0xFFACC800)
YUV	168.8280, -83.2322, 2.7818
Hunter-Lab	70.7667, -28.8301, 43.1013

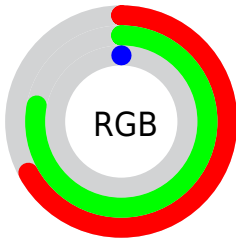
Details

The XYZ color **37.6675, 50.0792, 7.6810** 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 **10.9059, 4.4182, 54.9246**, and the grayscale version is **38.0116, 39.9912, 43.5504**.

A 20% lighter version of the original color is **70.2763, 89.1335, 21.6841**, and **17.3491, 24.2026, 3.7572** is the 20% darker color. If you saturate the color by 10%, you get **37.6678, 50.0810, 7.6813**, and if you desaturate by 10%, it is **38.4163, 50.4523, 8.3765**.

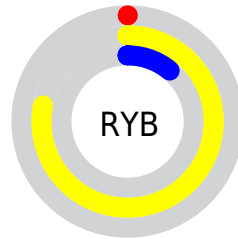
Distribution



Red (67%)

Green (78%)

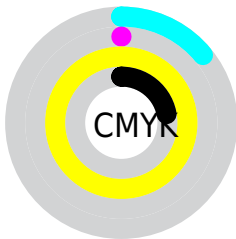
Blue (0%)



Red (0%)

Yellow (78%)

Blue (11%)

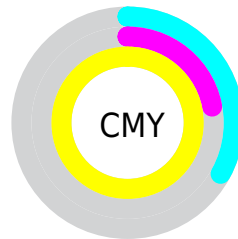


Cyan (14%)

Magenta (0%)

Yellow (100%)

Black (22%)



Cyan (33%)


Magenta (22%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.6675, 50.0792, 7.6810 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 37.6675, 50.0792, 7.6810 by changing the saturation by 10% instead.


 37.6675, 50.0792,
7.6810


 37.6675, 50.0792,
7.6810


327.4970,
386.9756, 183.0482


 25.9008, 35.4763,
3.8067


 70.9054, 90.2922,
21.8664

 16.8817, 24.0300,
1.5199


 93.1073, 116.6711,
33.0146

 10.2450, 15.3559,
0.2327


 119.5183,
147.7442, 47.4245

 5.6252, 9.0695,
0.0000

 150.5037,
183.8958, 65.5146

 2.6570, 4.7866,
0.0000

 186.4289,
225.5104, 87.7035

 0.9751, 2.1226,
0.0000

 227.6593,

 0.0000, 0.6773,

272.9723, 114.4097

0.0000

274.5603,
326.6659, 146.0518

■ 0.0000, 0.0000,
0.0000

■ 37.6675, 50.0792,
7.6810

■ 37.6675, 50.0792,
7.6810

■ 37.6678, 50.0810,
7.6813

■ 38.4163, 50.4523,
8.3765

■ 39.3075, 50.8821,
9.7592

■ 40.3878, 51.3890,
12.0690

■ 41.6811, 51.9826,
15.4313

■ 43.2076, 52.6711,
19.9527

■ 44.9851, 53.4615,
25.7261

■ 47.0296, 54.3602,
32.8356

■ 49.3557, 55.3731,
41.3575

■ 51.9769, 56.5057,
51.3627

Harmonies

Analogous

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



52.1568, 50.0792, 6.4459



37.6675, 50.0792, 7.6810



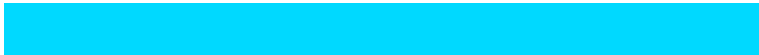
28.1192, 50.0792, 17.0230

Triad

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



37.6675, 50.0792, 7.6810



31.4903, 50.0792, 150.3645



83.0111, 50.0792, 68.1904

Complementary

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



37.6675, 50.0792, 7.6810



10.9059, 4.4182, 54.9246

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.



74.4741, 50.0792, 125.8746



37.6675, 50.0792, 7.6810



43.3144, 50.0792, 187.4444

Square

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



37.6675, 50.0792, 7.6810



25.1208, 50.0792, 91.3322



59.1382, 50.0792, 176.6546



80.5910, 50.0792, 29.2370

Rectangle

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



37.6675, 50.0792, 7.6810



24.8102, 50.0792, 31.7875



59.1382, 50.0792, 176.6546



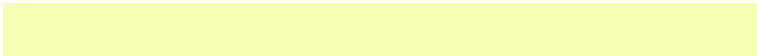
81.2712, 50.0792, 86.1349

Sweetspot

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



37.6686, 50.0815, 7.6820



81.2540, 94.0389, 56.2520



24.2057, 13.0498, 1.2438



17.0572, 19.9815, 10.8609



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.



37.6686, 50.0815, 7.6820



65.0605, 86.6249, 13.2912



23.4299, 42.7411, 7.0157



11.3722, 12.3388, 11.3450



24.0062, 31.8709, 4.8864



1.1779, 1.5303, 0.2333

Inverse Universe

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



10.9059, 4.4182, 54.9246



18.7675, 7.5899, 95.0836



19.1308, 8.6583, 55.3096



10.1926, 10.3575, 13.3795



6.9788, 2.8320, 34.9232



0.3765, 0.1578, 1.6558

Previews

White Background



This preview shows how the XYZ color 37.6675, 50.0792, 7.6810 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 37.6675, 50.0792, 7.6810 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

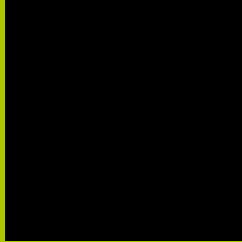
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.6675, 50.0792, 7.6810

Background



This preview shows how black text looks on a background with the XYZ color 37.6675, 50.0792, 7.6810.



This preview shows how white text looks on a background with the XYZ color 37.6675, 50.0792,

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

37.6675, 50.0792, 7.6810

Protanopia

44.8472, 49.8153, 7.2516

Deuteranopia

50.8012, 49.7891, 8.4461



Tritanopia

48.8406, 50.0262, 62.3402

Trichromacy



Original Color

37.6675, 50.0792, 7.6810

Protanomaly

41.8756, 49.5696, 7.3608

Deuteranomaly

45.1443, 49.3219, 7.8998

Tritanomaly

41.8185, 48.7652, 27.6306

Monochromacy



Original Color

37.6675, 50.0792, 7.6810

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

35.6056, 42.2713, 20.4699

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.6675, 50.0792, 7.6810 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(172, 200, 0)` looks like.

```
.text, #text, p{  
    color:rgb(172, 200, 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(172, 200, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 200, 0) }
```

Border

The CSS property to change the border of an element to XYZ 37.6675, 50.0792, 7.6810 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(172, 200, 0) }
```


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

```
.border{ border-color:rgb(172, 200, 0) }
```

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

Here you see how a box with a 4 pixel rgb(172, 200, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 200, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 200, 0);  
box-shadow:4px 4px 4px 4px rgb(172, 200,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 37.6675, 50.0792, 7.6810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 200, 0) }
```

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

```
.background{ background-color: rgb(172,  
200, 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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