

Converting Colors

XYZ(37.6590, 50.4362, 8.2653)

Have a look what the booklet for
XYZ(37.6590, 50.4362, 8.2653)
contains.

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Color

**XYZ(37.5654, 50.3598,
8.2708)**

Conversions

Conversions Part 1

Format	Color
Hex	AAC911
RGB	170, 201, 17
RGB Percent	67%, 79%, 7%
CMY	0.3333, 0.2117, 0.9333
CMYK	0.15, 0.00, 0.92, 0.21
HSL	70°, 84%, 43%
HSV	70°, 92%, 79%
XYZ	37.5654, 50.3598, 8.2708
YIQ	170.7550, 40.5880, -63.7960

Conversions

Conversions Part 2

Format	Color
RYB	17, 201, 48
Decimal	11192593
CIELab	76.29, -30.87, 74.42
CIELCh	76, 80.566, 112.528
Yxy	50.3598, 0.3905, 0.5235
Android (android.graphics.Color)	4289382673 (0xFFAAC911)
YUV	170.7550, -75.8012, -0.6621
Hunter-Lab	70.9646, -29.6985, 42.7651

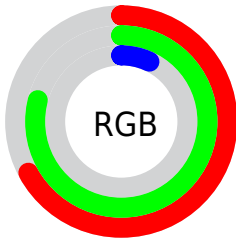
Details

The XYZ color **37.5654, 50.3598, 8.2708** 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 **11.9638, 5.2476, 55.6437**, and the grayscale version is **38.9418, 40.9698, 44.6161**.

A 20% lighter version of the original color is **69.8346, 88.8826, 22.7079**, and **17.2438, 24.3781, 3.7966** is the 20% darker color. If you saturate the color by 10%, you get **36.8520, 50.0055, 7.7097**, and if you desaturate by 10%, it is **38.5428, 50.8383, 9.5412**.

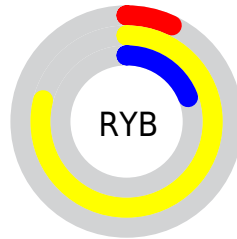
Distribution



Red (67%)

Green (79%)

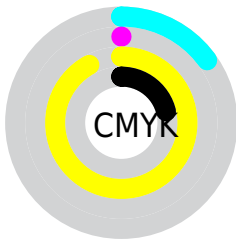
Blue (7%)



Red (7%)

Yellow (79%)

Blue (19%)

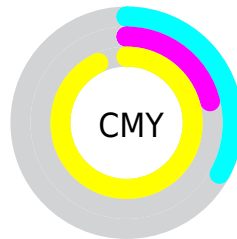


Cyan (15%)

Magenta (0%)

Yellow (92%)

Black (21%)



Cyan (33%)

Magenta (21%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.5654, 50.3598, 8.2708 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 37.5654, 50.3598, 8.2708 by changing the saturation by 10% instead.

37.5654, 50.3598,
8.2708

37.5654, 50.3598,
8.2708

327.0651,
388.0713, 187.8541

25.8212, 35.6994,
4.1785

70.7497, 90.7077,
23.0425

16.8219, 24.2021,
1.7238

92.9206, 117.1640,
34.5590

10.2021, 15.4836,
0.3769

119.2977,
148.3211, 49.3872

5.5965, 9.1595,
0.0000

150.2465,
184.5633, 67.9458

2.6396, 4.8454,
0.0000

186.1323,
226.2750, 90.6532

0.9662, 2.1568,
0.0000

227.3204,

0.0000, 0.6963,

273.8406, 117.9280

0.0000

274.1763,
327.6446, 150.1888

■ 0.0000, 0.0000,
0.0000

■ 37.5654, 50.3598,
8.2708

■ 37.5654, 50.3598,
8.2708

■ 36.8520, 50.0055,
7.7097

■ 38.5428, 50.8383,
9.5412

■ 39.7118, 51.3938,
11.7263

■ 41.0986, 52.0386,
14.9584

■ 42.7242, 52.7812,
19.3477

■ 44.6071, 53.6289,
24.9902

■ 46.7637, 54.5883,
31.9722

■ 49.2091, 55.6656,
40.3722

■ 51.9572, 56.8662,
50.2625

■ 55.0208, 58.1954,
61.7108

Harmonies

Analogous

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



51.7481, 50.3598, 6.7714



37.5654, 50.3598, 8.2708



28.2955, 50.3598, 18.1676

Triad

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



37.5654, 50.3598, 8.2708



32.2629, 50.3598, 151.0565



82.8788, 50.3598, 66.3938

Complementary

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



37.5654, 50.3598, 8.2708



11.9638, 5.2476, 55.6437

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.



74.8553, 50.3598, 122.7162



37.5654, 50.3598, 8.2708



44.1821, 50.3598, 185.8114

Square

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



37.5654, 50.3598, 8.2708



25.7143, 50.3598, 93.3345



59.8947, 50.3598, 173.3579



80.0675, 50.3598, 28.7125

Rectangle

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



37.5654, 50.3598, 8.2708



25.1389, 50.3598, 33.4349



59.8947, 50.3598, 173.3579



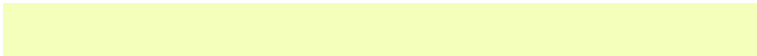
81.3102, 50.3598, 83.8349

Sweetspot

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



37.5665, 50.3621, 8.2719



81.7384, 94.1971, 60.4118



25.2340, 14.5466, 2.0088



17.1948, 20.0293, 11.9125



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.



37.5665, 50.3621, 8.2719



62.9195, 85.5212, 13.1910



24.1594, 43.4504, 7.6444



11.3417, 12.3231, 11.3436



23.2371, 31.4745, 4.8505



1.1481, 1.5150, 0.2319

Inverse Universe

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



11.9638, 5.2476, 55.6437



19.0451, 7.7330, 95.0966



21.5045, 10.1659, 56.0902



10.2205, 10.3719, 13.3808



7.0942, 2.8914, 34.9286



0.3892, 0.1644, 1.6564

Previews

White Background



This preview shows how the XYZ color 37.5654, 50.3598, 8.2708 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 37.5654, 50.3598, 8.2708 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 37.5654, 50.3598, 8.2708

Background



This preview shows how black text looks on a background with the XYZ color 37.5654, 50.3598, 8.2708.



This preview shows how white text looks on a background with the XYZ color 37.5654, 50.3598,

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

37.5654, 50.3598, 8.2708

Protanopia

45.1894, 49.9854, 7.5536

Deuteranopia

51.1953, 49.9853, 8.7836



Tritanopia

48.6807, 50.2440, 63.0094

Trichromacy



Original Color

37.5654, 50.3598, 8.2708

Protanomaly

42.1686, 50.0393, 7.8168

Deuteranomaly

45.2338, 49.3577, 8.3712

Tritanomaly

42.0452, 49.1518, 30.1929

Monochromacy



Original Color

37.5654, 50.3598, 8.2708

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

36.6170, 43.3516, 22.6574

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.5654, 50.3598, 8.2708 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, 201, 17)` looks like.

```
.text, #text, p{  
    color:rgb(170, 201, 17)  
}
```

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, 201, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 201, 17) }
```

Border

The CSS property to change the border of an element to XYZ 37.5654, 50.3598, 8.2708 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, 201, 17) }
```


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

```
.border{ border-color:rgb(170, 201, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 201, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 201, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 201, 17);  
box-shadow:4px 4px 4px 4px rgb(170, 201,  
17) }
```

Background

The CSS property to change the background color of an element to XYZ 37.5654, 50.3598, 8.2708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 201, 17) }
```

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

```
.background{ background-color: rgb(170,  
201, 17) }
```

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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