

Converting Colors

XYZ(37.7617, 55.2388, 8.6719)

Have a look what the booklet for
XYZ(37.7617, 55.2388, 8.6719)
contains.

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Color

**XYZ(37.7569, 55.1611,
8.6572)**

Conversions

Conversions Part 1

Format	Color
Hex	9CD600
RGB	156, 214, 0
RGB Percent	61%, 84%, 0%
CMY	0.3882, 0.1608, 0.9999
CMYK	0.27, 0.00, 1.00, 0.16
HSL	76°, 100%, 42%
HSV	76°, 100%, 84%
XYZ	37.7569, 55.1611, 8.6572
YIQ	172.2620, 34.1260, -78.8500

Conversions

Conversions Part 2

Format	Color
RYB	0, 214, 58
Decimal	10278400
CIELab	79.13, -42.50, 78.02
CIELCh	79, 88.850, 118.580
Yxy	55.1611, 0.3717, 0.5431
Android (android.graphics.Color)	4288468480 (0xFF9CD600)
YUV	172.2620, -84.9252, -14.2618
Hunter-Lab	74.2705, -39.2294, 45.0783

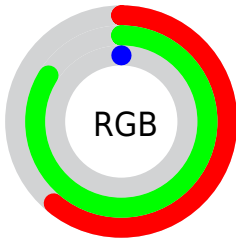
Details

The XYZ color **37.7569, 55.1611, 8.6572** 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 **13.8854, 5.7565, 64.0009**, and the grayscale version is **39.7535, 41.8238, 45.5461**.

A 20% lighter version of the original color is **65.4240, 86.6230, 21.8660**, and **17.4351, 27.3929, 4.3684** is the 20% darker color. If you saturate the color by 10%, you get **37.7565, 55.1627, 8.6575**, and if you desaturate by 10%, it is **39.0470, 55.8119, 9.4453**.

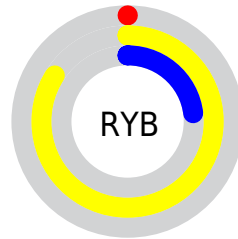
Distribution



Red (61%)

Green (84%)

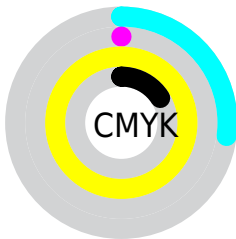
Blue (0%)



Red (0%)

Yellow (84%)

Blue (23%)

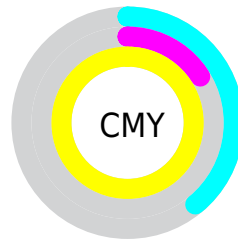


Cyan (27%)

Magenta (0%)

Yellow (100%)

Black (16%)



Cyan (39%)


Magenta (16%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.7569, 55.1611, 8.6572 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 37.7569, 55.1611, 8.6572 by changing the saturation by 10% instead.


 37.7569, 55.1611,
8.6572


 37.7569, 55.1611,
8.6572


327.8749,
406.5223, 190.9226


 25.9704, 39.5307,
4.4245


 71.0417, 97.7770,
23.8042

 16.9341, 27.1728,
1.8610


 93.2707, 125.5312,
35.5556

 10.2825, 17.7031,
0.4678


 119.7113,
158.0956, 50.6503

 5.6504, 10.7370,
0.0000

 150.7287,
195.8544, 69.5069

 2.6723, 5.8903,
0.0000

 186.6885,
239.1921, 92.5438

 0.9829, 2.7785,
0.0000

 227.9559,

 0.0000, 1.0172,

288.4930, 120.1798

0.0000

274.8962,
344.1416, 152.8331

■ 0.0000, 0.0000,
0.0000

■ 37.7569, 55.1611,
8.6572

■ 37.7569, 55.1611,
8.6572

■ 37.7565, 55.1627,
8.6575

■ 39.0470, 55.8119,
9.4453

■ 40.5446, 56.5500,
11.0474

■ 42.3027, 57.3987,
13.7343

■ 44.3504, 58.3697,
17.6551

■ 46.7123, 59.4728,
22.9358

■ 49.4100, 60.7169,
29.6865

■ 52.4629, 62.1098,
38.0064

■ 55.8889, 63.6586,
47.9859

■ 59.7044, 65.3700,
59.7084

Harmonies

Analogous

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



53.2779, 55.1611, 5.7883



37.7569, 55.1611, 8.6572



28.3920, 55.1611, 22.1958

Triad

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



37.7569, 55.1611, 8.6572



36.5941, 55.1611, 187.7881



94.4113, 55.1611, 62.5118

Complementary

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



37.7569, 55.1611, 8.6572



13.8854, 5.7565, 64.0009

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.



87.2211, 55.1611, 126.6621



37.7569, 55.1611, 8.6572



51.5892, 55.1611, 220.0098

Square

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



37.7569, 55.1611, 8.6572



27.8348, 55.1611, 119.8984



70.4810, 55.1611, 193.0062



88.4119, 55.1611, 24.4233

Rectangle

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



37.7569, 55.1611, 8.6572



25.6160, 55.1611, 42.7348



70.4810, 55.1611, 193.0062



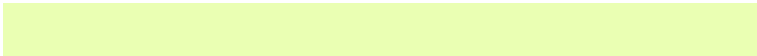
93.4316, 55.1611, 81.5326

Sweetspot

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



37.7582, 55.1636, 8.6584



77.8640, 92.2913, 56.0933



29.2007, 17.2320, 1.7879



16.2397, 19.5601, 10.8226



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.



37.7582, 55.1636, 8.6584



55.9790, 81.9433, 12.8662



25.3612, 48.7727, 8.0782



13.1292, 14.3428, 13.2372



22.9244, 33.3943, 5.2375



1.4599, 2.0540, 0.3195

Inverse Universe

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



13.8854, 5.7565, 64.0009



20.5132, 8.4898, 95.1653



27.4643, 12.7566, 64.6364



12.0553, 12.1699, 15.6512



8.4773, 3.5227, 38.6863



0.5907, 0.2534, 2.3371

Previews

White Background



This preview shows how the XYZ color 37.7569, 55.1611, 8.6572 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 37.7569, 55.1611, 8.6572 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 37.7569, 55.1611, 8.6572

Background



This preview shows how black text looks on a background with the XYZ color 37.7569, 55.1611, 8.6572.



This preview shows how white text looks on a background with the XYZ color 37.7569, 55.1611,

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

37.7569, 55.1611, 8.6572

Protanopia

49.2551, 54.6955, 7.9613

Deuteranopia

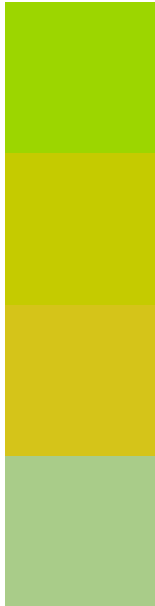
55.7380, 54.4440, 9.5785



Tritanopia

50.5937, 54.9833, 72.2362

Trichromacy



Original Color

37.7569, 55.1611, 8.6572

Protanomaly

44.3819, 54.5822, 8.1962

Deuteranomaly

47.3560, 53.6962, 8.7882

Tritanomaly

42.4704, 53.4269, 31.7409

Monochromacy



Original Color

37.7569, 55.1611, 8.6572

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

36.2565, 44.7518, 21.1950

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7569, 55.1611, 8.6572 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(156, 214, 0)` looks like.

```
.text, #text, p{  
    color:rgb(156, 214, 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(156, 214, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 214, 0) }
```

Border

The CSS property to change the border of an element to XYZ 37.7569, 55.1611, 8.6572 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(156, 214, 0) }
```


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

```
.border{ border-color:rgb(156, 214, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 214, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 214, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 214, 0);  
box-shadow:4px 4px 4px 4px rgb(156, 214,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 37.7569, 55.1611, 8.6572 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 214, 0) }
```

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

```
.background{ background-color: rgb(156,  
214, 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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