

Converting Colors

XYZ(38.5599, 51.9326, 7.9917)

Have a look what the booklet for
XYZ(38.5599, 51.9326, 7.9917)
contains.

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Color

**XYZ(38.6061, 51.9564,
7.9938)**

Conversions

Conversions Part 1

Format	Color
Hex	ACCC00
RGB	172, 204, 0
RGB Percent	67%, 80%, 0%
CMY	0.3255, 0.2000, 0.9999
CMYK	0.16, 0.00, 1.00, 0.20
HSL	69°, 100%, 40%
HSV	69°, 100%, 80%
XYZ	38.6061, 51.9564, 7.9938
YIQ	171.1760, 46.4120, -70.2280

Conversions

Conversions Part 2

Format	Color
RYB	0, 204, 32
Decimal	11324416
CIELab	77.25, -31.67, 77.04
CIElCh	77, 83.294, 112.347
Yxy	51.9564, 0.3917, 0.5272
Android (android.graphics.Color)	4289514496 (0xFFACCC00)
YUV	171.1760, -84.3898, 0.7226
Hunter-Lab	72.0808, -30.5377, 43.8813

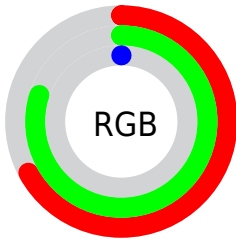
Details

The XYZ color **38.6061, 51.9564, 7.9938** 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 **11.4965, 4.6679, 57.4250**, and the grayscale version is **39.1946, 41.2358, 44.9058**.

A 20% lighter version of the original color is **70.3152, 89.1490, 21.8890**, and **17.8458, 25.3901, 3.9602** is the 20% darker color. If you saturate the color by 10%, you get **38.6064, 51.9583, 7.9942**, and if you desaturate by 10%, it is **39.4483, 52.3773, 8.7125**.

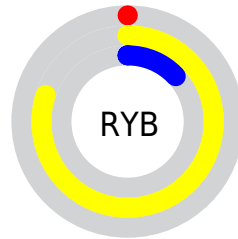
Distribution



Red (67%)

Green (80%)

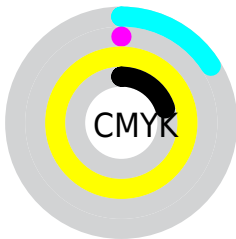
Blue (0%)



Red (0%)

Yellow (80%)

Blue (13%)

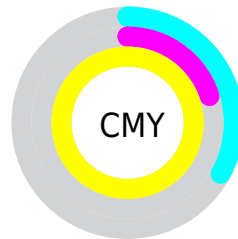


Cyan (16%)

Magenta (0%)

Yellow (100%)

Black (20%)



Cyan (33%)

Magenta (20%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.6061, 51.9564, 7.9938 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 38.6061, 51.9564, 7.9938 by changing the saturation by 10% instead.

■ 38.6061, 51.9564,
7.9938

■ 38.6061, 51.9564,
7.9938

331.4490,
394.2683, 185.6162

■ 26.6328, 36.9703,
4.0033

■ 72.3341, 93.0669,
22.4923

■ 17.4328, 25.1845,
1.6271

■ 94.8195, 119.9602,
33.8373

■ 10.6407, 16.2146,
0.3101

■ 121.5397,
151.5913, 48.4708

■ 5.8913, 9.6761,
0.0000

■ 152.8599,
188.3446, 66.8115

■ 2.8191, 5.1847,
0.0000

■ 189.1456,
230.6046, 89.2779

■ 1.0589, 2.3561,
0.0000

■ 230.7621,

■ 0.0000, 0.8031,

278.7556, 116.2884

0.0000

278.0748,
333.1820, 148.2616

■ 0.0000, 0.0000,
0.0000

■ 38.6061, 51.9564,
7.9938

■ 38.6061, 51.9564,
7.9938

■ 38.6064, 51.9583,
7.9942

■ 39.4483, 52.3773,
8.7125

■ 40.4435, 52.8595,
10.1531

■ 41.6400, 53.4242,
12.5639

■ 43.0629, 54.0815,
16.0772

■ 44.7336, 54.8398,
20.8045

■ 46.6708, 55.7068,
26.8438

■ 48.8913, 56.6892,
34.2831

■ 51.4105, 57.7930,
43.2027

■ 54.2425, 59.0241,
53.6769

Harmonies

Analogous

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



53.5852, 51.9564, 6.5166



38.6061, 51.9564, 7.9938



28.8470, 51.9564, 18.0668

Triad

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



38.6061, 51.9564, 7.9938



32.9032, 51.9564, 158.6347



86.4855, 51.9564, 69.1067

Complementary

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



38.6061, 51.9564, 7.9938



11.4965, 4.6679, 57.4250

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.



77.8942, 51.9564, 129.0706



38.6061, 51.9564, 7.9938



45.4064, 51.9564, 196.1061

Square

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



38.6061, 51.9564, 7.9938



26.0834, 51.9564, 97.0174



61.9992, 51.9564, 183.0754



83.5664, 51.9564, 29.2950

Rectangle

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



38.6061, 51.9564, 7.9938



25.5255, 51.9564, 33.8788



61.9992, 51.9564, 183.0754



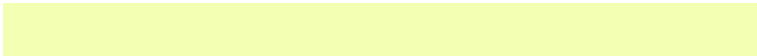
84.7936, 51.9564, 87.6418

Sweetspot

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



38.6073, 51.9588, 7.9949



80.8072, 93.8086, 56.2310



25.3835, 13.7984, 1.3262



16.9491, 19.9258, 10.8558



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.



38.6073, 51.9588, 7.9949



63.7811, 85.9654, 13.2314



24.2234, 44.5436, 7.3217



11.9742, 13.0041, 11.9584



24.3628, 32.7348, 5.0344



1.3045, 1.7133, 0.2620

Inverse Universe

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



11.4965, 4.6679, 57.4250



18.9255, 7.6713, 95.0910



20.5116, 9.3153, 57.8469



10.7630, 10.9271, 14.1122



7.2862, 2.9637, 36.1443



0.4290, 0.1803, 1.8671

Previews

White Background



This preview shows how the XYZ color 38.6061, 51.9564, 7.9938 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 38.6061, 51.9564, 7.9938 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

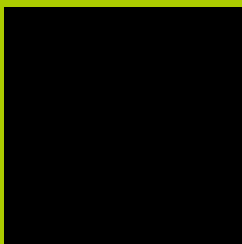
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.6061, 51.9564, 7.9938

Background



This preview shows how black text looks on a background with the XYZ color 38.6061, 51.9564, 7.9938.



This preview shows how white text looks on a background with the XYZ color 38.6061, 51.9564,

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

38.6061, 51.9564, 7.9938

Protanopia

46.6551, 51.7087, 7.5218

Deuteranopia

52.7775, 51.7004, 8.8666



Tritanopia

50.1719, 51.9261, 65.1360

Trichromacy



Original Color

38.6061, 51.9564, 7.9938

Protanomaly

43.2931, 51.6220, 7.6822

Deuteranomaly

46.3766, 50.9041, 8.1918

Tritanomaly

42.8358, 50.5870, 28.6257

Monochromacy



Original Color

38.6061, 51.9564, 7.9938

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

36.4884, 43.6290, 20.9661

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.6061, 51.9564, 7.9938 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, 204, 0)` looks like.

```
.text, #text, p{  
    color:rgb(172, 204, 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, 204, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 204, 0) }
```

Border

The CSS property to change the border of an element to XYZ 38.6061, 51.9564, 7.9938 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, 204, 0) }
```


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

```
.border{ border-color:rgb(172, 204, 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, 204, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 204, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 204, 0);  
box-shadow:4px 4px 4px 4px rgb(172, 204,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 38.6061, 51.9564, 7.9938 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 204, 0) }
```

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

```
.background{ background-color: rgb(172,  
204, 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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