

Converting Colors

XYZ(38.7108, 51.2234, 2.5618)

Have a look what the booklet for
XYZ(38.7108, 51.2234, 2.5618)
contains.

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Color

**XYZ(39.7090, 51.4766,
7.8431)**

Conversions

Conversions Part 1

Format	Color
Hex	B4C900
RGB	180, 201, 0
RGB Percent	71%, 79%, 0%
CMY	0.2941, 0.2117, 0.9999
CMYK	0.10, 0.00, 1.00, 0.21
HSL	66°, 100%, 39%
HSV	66°, 100%, 79%
XYZ	39.7090, 51.4766, 7.8431
YIQ	171.8070, 52.0050, -66.9630

Conversions

Conversions Part 2

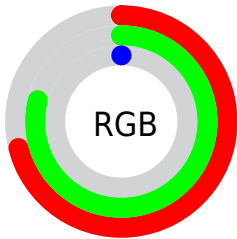
Format	Color
RYB	0, 201, 21
Decimal	11847936
CIELab	76.97, -26.94, 77.07
CIELCh	77, 81.643, 109.264
Yxy	51.4766, 0.4010, 0.5198
Android (android.graphics.Color)	4290038016 (0xFFB4C900)
YUV	171.8070, -84.7009, 7.1853
Hunter-Lab	71.7472, -26.7655, 43.7417

Details

The XYZ color **39.7090, 51.4766, 7.8431** is a dark color, and the websafe version is hex **CCCC00**. The color can be described as dark washed chartreuse. A complement of this color would be **10.8534, 4.3776, 55.5345**, and the grayscale version is **39.5141, 41.5719, 45.2718**.

A 20% lighter version of the original color is **73.2565, 90.6698, 21.8236**, and **18.4598, 25.0050, 3.8535** is the 20% darker color. If you saturate the color by 10%, you get **39.7095, 51.4786, 7.8435**, and if you desaturate by 10%, it is **40.3303, 51.7839, 8.5373**.

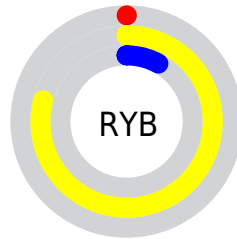
Distribution



Red (71%)

Green (79%)

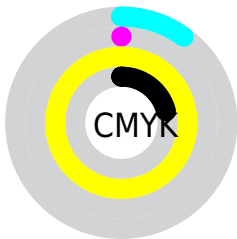
Blue (0%)



Red (0%)

Yellow (79%)

Blue (8%)

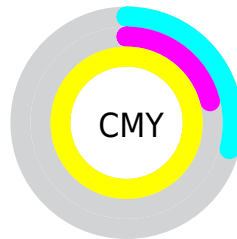


Cyan (10%)

Magenta (0%)

Yellow (100%)

Black (21%)



Cyan (29%)


Magenta (21%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.7090, 51.4766, 7.8431 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 39.7090, 51.4766, 7.8431 by changing the saturation by 10% instead.


 39.7090, 51.4766,
7.8431


 39.7090, 51.4766,
7.8431


336.0510,
392.4126, 184.3846


 27.4949, 36.5880,
3.9084


 74.0073, 92.3589,
22.1914


 18.0838, 24.8887,
1.5752


 96.8223, 119.1214,
33.4420

 11.1102, 15.9941,
0.2730


 123.9017,
150.6107, 47.9683

 6.2088, 9.5200,
0.0000

 155.6107,
187.2112, 66.1889

 3.0144, 5.0819,
0.0000

 192.3148,
229.3072, 88.5223

 1.1614, 2.2954,
0.0000

 234.3793,

 0.0755, 0.7713,

277.2832, 115.3870

0.0000

282.1696,
331.5235, 147.2015

■ 0.0000, 0.0000,
0.0000

■ 39.7090, 51.4766,
7.8431

■ 39.7090, 51.4766,
7.8431

■ 39.7095, 51.4786,
7.8435

■ 40.3303, 51.7839,
8.5373

■ 41.0900, 52.1456,
9.9270

■ 42.0352, 52.5823,
12.2541

■ 43.1900, 53.1038,
15.6459

■ 44.5748, 53.7181,
20.2099

■ 46.2078, 54.4326,
26.0406

■ 48.1049, 55.2536,
33.2227

■ 50.2809, 56.1870,
41.8338

■ 52.7495, 57.2384,
51.9455

Harmonies

Analogous

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



54.7121, 51.4766, 6.9878



39.7090, 51.4766, 7.8431



29.5852, 51.4766, 16.6776

Triad

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



39.7090, 51.4766, 7.8431



31.8912, 51.4766, 149.2144



84.5828, 51.4766, 73.5660

Complementary

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



39.7090, 51.4766, 7.8431



10.8534, 4.3776, 55.5345

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.



75.2651, 51.4766, 132.5765



39.7090, 51.4766, 7.8431



43.5647, 51.4766, 189.3317

Square

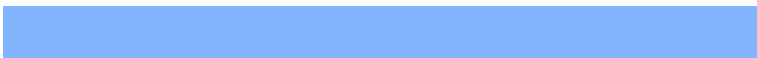
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



39.7090, 51.4766, 7.8431



25.7777, 51.4766, 89.3199



59.4713, 51.4766, 182.0075



82.9357, 51.4766, 32.2753

Rectangle

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



39.7090, 51.4766, 7.8431



25.9495, 51.4766, 30.8648



59.4713, 51.4766, 182.0075



82.5626, 51.4766, 92.1715

Sweetspot

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



39.7102, 51.4790, 7.8442



82.2055, 94.5294, 56.2965



24.3412, 12.9229, 1.2121



17.2878, 20.1004, 10.8717



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.



39.7102, 51.4790, 7.8442



67.8654, 88.0710, 13.4225



24.2315, 43.4994, 7.1198



11.4105, 12.3585, 11.3468



25.0122, 32.3895, 4.9335



1.2165, 1.5502, 0.2351

Inverse Universe

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



10.8534, 4.3776, 55.5345



18.4928, 7.4483, 95.0707



18.3745, 8.2548, 55.8865



10.1579, 10.3396, 13.3779



6.8610, 2.7712, 34.9176



0.3606, 0.1496, 1.6550

Previews

White Background



This preview shows how the XYZ color 39.7090, 51.4766, 7.8431 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 39.7090, 51.4766, 7.8431 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 39.7090, 51.4766, 7.8431

Background



This preview shows how black text looks on a background with the XYZ color 39.7090, 51.4766, 7.8431.



This preview shows how white text looks on a background with the XYZ color 39.7090, 51.4766,

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

39.7090, 51.4766, 7.8431

Protanopia

46.1450, 51.1231, 7.4356

Deuteranopia

52.2066, 51.1087, 8.6268



Tritanopia

50.9367, 51.4070, 63.1150

Trichromacy



Original Color

39.7090, 51.4766, 7.8431

Protanomaly

43.6489, 51.1401, 7.5705

Deuteranomaly

47.0415, 50.9298, 8.1101

Tritanomaly

44.0473, 50.2314, 28.1430

Monochromacy



Original Color

39.7090, 51.4766, 7.8431

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

37.3730, 44.0851, 21.0075

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.7090, 51.4766, 7.8431 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(180, 201, 0)` looks like.

```
.text, #text, p{  
    color:rgb(180, 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(180, 201, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 201, 0) }
```

Border

The CSS property to change the border of an element to XYZ 39.7090, 51.4766, 7.8431 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(180, 201, 0) }
```


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

```
.border{ border-color:rgb(180, 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(180, 201, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 201, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 201, 0);  
box-shadow:4px 4px 4px 4px rgb(180, 201,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 39.7090, 51.4766, 7.8431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 201, 0) }
```

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

```
.background{ background-color: rgb(180,  
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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