

Converting Colors

XYZ(38.4185, 50.0895, 7.6434)

Have a look what the booklet for
XYZ(38.4185, 50.0895, 7.6434)
contains.

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Color

**XYZ(38.5549, 50.1940,
7.6563)**

Conversions

Conversions Part 1

Format	Color
Hex	B1C700
RGB	177, 199, 0
RGB Percent	69%, 78%, 0%
CMY	0.3059, 0.2196, 0.9999
CMYK	0.11, 0.00, 1.00, 0.22
HSL	67°, 100%, 39%
HSV	67°, 100%, 78%
XYZ	38.5549, 50.1940, 7.6563
YIQ	169.7360, 50.7670, -66.5530

Conversions

Conversions Part 2

Format	Color
RYB	0, 199, 22
Decimal	11650816
CIELab	76.19, -27.24, 76.40
CIELCh	76, 81.105, 109.622
Yxy	50.1940, 0.3999, 0.5207
Android (android.graphics.Color)	4289840896 (0xFFB1C700)
YUV	169.7360, -83.6798, 6.3705
Hunter-Lab	70.8477, -26.8449, 43.1861

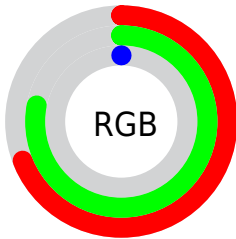
Details

The XYZ color **38.5549, 50.1940, 7.6563** 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 **10.6411, 4.2951, 54.3042**, and the grayscale version is **38.4652, 40.4684, 44.0701**.

A 20% lighter version of the original color is **71.9134, 89.9774, 21.7608**, and **17.7331, 24.1727, 3.7312** is the 20% darker color. If you saturate the color by 10%, you get **38.5554, 50.1960, 7.6567**, and if you desaturate by 10%, it is **39.1869, 50.5070, 8.3416**.

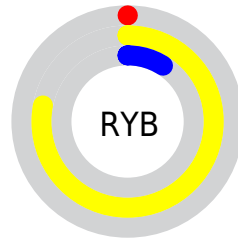
Distribution



Red (69%)

Green (78%)

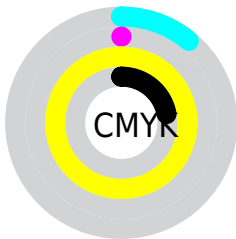
Blue (0%)



Red (0%)

Yellow (78%)

Blue (9%)

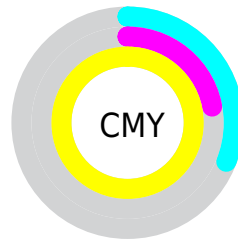


Cyan (11%)

Magenta (0%)

Yellow (100%)

Black (22%)



Cyan (31%)


Magenta (22%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.5549, 50.1940, 7.6563 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 38.5549, 50.1940, 7.6563 by changing the saturation by 10% instead.


 38.5549, 50.1940,
7.6563


 38.5549, 50.1940,
7.6563


331.2342,
387.4241, 182.8436


 26.5928, 35.5676,
3.7912


 72.2563, 90.4622,
21.8168


 17.4026, 24.1004,
1.5115


 94.7263, 116.8729,
32.9493

 10.6191, 15.4081,
0.2265


 121.4297,
147.9803, 47.3413

 5.8767, 9.1063,
0.0000

 152.7317,
184.1690, 65.4114

 2.8102, 4.8106,
0.0000

 188.9979,
225.8233, 87.5782

 1.0542, 2.1366,
0.0000

 230.5934,

 0.0000, 0.6851,

273.3277, 114.2601

0.0000

277.8838,
327.0665, 145.8757

■ 0.0000, 0.0000,
0.0000

■ 38.5549, 50.1940,
7.6563

■ 38.5549, 50.1940,
7.6563

■ 38.5554, 50.1960,
7.6567

■ 39.1869, 50.5070,
8.3416

■ 39.9548, 50.8735,
9.7054

■ 40.9048, 51.3138,
11.9853

■ 42.0605, 51.8372,
15.3054

■ 43.4417, 52.4519,
19.7707

■ 45.0662, 53.1648,
25.4732

■ 46.9495, 53.9822,
32.4958

■ 49.1062, 54.9099,
40.9140

■ 51.5494, 55.9532,
50.7976

Harmonies

Analogous

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



53.1662, 50.1940, 6.7530



38.5549, 50.1940, 7.6563



28.7348, 50.1940, 16.3958

Triad

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



38.5549, 50.1940, 7.6563



31.1751, 50.1940, 146.3707



82.5979, 50.1940, 71.1518

Complementary

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



38.5549, 50.1940, 7.6563



10.6411, 4.2951, 54.3042

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.



73.6013, 50.1940, 128.7428



38.5549, 50.1940, 7.6563



42.6366, 50.1940, 185.1636

Square

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



38.5549, 50.1940, 7.6563



25.1427, 50.1940, 87.8372



58.2057, 50.1940, 177.4025



80.8534, 50.1940, 31.0968

Rectangle

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



38.5549, 50.1940, 7.6563



25.2288, 50.1940, 30.3899



58.2057, 50.1940, 177.4025



80.6662, 50.1940, 89.2682

Sweetspot

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



38.5560, 50.1963, 7.6573



82.0419, 94.4451, 56.2888



23.8034, 12.6403, 1.1859



17.2481, 20.0799, 10.8698



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.



38.5560, 50.1963, 7.6573



67.3753, 87.8183, 13.3996



23.7006, 42.5380, 6.9621



11.4039, 12.3552, 11.3465



24.8365, 32.2990, 4.9253



1.2098, 1.5468, 0.2348

Inverse Universe

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



10.6411, 4.2951, 54.3042



18.5344, 7.4697, 95.0727



17.9740, 8.0753, 54.6473



10.1638, 10.3427, 13.3781



6.8792, 2.7806, 34.9185



0.3633, 0.1510, 1.6551

Previews

White Background



This preview shows how the XYZ color 38.5549, 50.1940, 7.6563 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 38.5549, 50.1940, 7.6563 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 38.5549, 50.1940, 7.6563

Background



This preview shows how black text looks on a background with the XYZ color 38.5549, 50.1940, 7.6563.



This preview shows how white text looks on a background with the XYZ color 38.5549, 50.1940,

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

38.5549, 50.1940, 7.6563

Protanopia

45.1346, 49.9635, 7.2651

Deuteranopia

51.1200, 49.9551, 8.3868



Tritanopia

49.5125, 50.0745, 61.6993

Trichromacy



Original Color

38.5549, 50.1940, 7.6563

Protanomaly

42.4028, 49.8414, 7.3855

Deuteranomaly

45.7186, 49.6190, 7.8773

Tritanomaly

42.7377, 48.9240, 27.2694

Monochromacy



Original Color

38.5549, 50.1940, 7.6563

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

36.4642, 43.0147, 20.5682

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.5549, 50.1940, 7.6563 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(177, 199, 0)` looks like.

```
.text, #text, p{  
    color:rgb(177, 199, 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(177, 199, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 199, 0) }
```

Border

The CSS property to change the border of an element to XYZ 38.5549, 50.1940, 7.6563 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(177, 199, 0) }
```


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

```
.border{ border-color:rgb(177, 199, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 199, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 199, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 199, 0);  
box-shadow:4px 4px 4px 4px rgb(177, 199,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 38.5549, 50.1940, 7.6563 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 199, 0) }
```

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

```
.background{ background-color: rgb(177,  
199, 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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