

Converting Colors

XYZ(38.5958, 39.5929, 7.6874)

Have a look what the booklet for
XYZ(38.5958, 39.5929, 7.6874)
contains.

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Color

**XYZ(38.5775, 39.5484,
7.6982)**

Conversions

Conversions Part 1

Format	Color
Hex	CCA429
RGB	204, 164, 41
RGB Percent	80%, 64%, 16%
CMY	0.2000, 0.3568, 0.8392
CMYK	0.00, 0.20, 0.80, 0.20
HSL	45°, 67%, 48%
HSV	45°, 80%, 80%
XYZ	38.5775, 39.5484, 7.6982
YIQ	161.9380, 63.3230, -29.7730

Conversions

Conversions Part 2

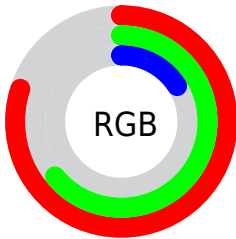
Format	Color
RYB	94, 204, 41
Decimal	13411369
CIELab	69.15, 3.19, 64.10
CIELCh	69, 64.184, 87.153
Yxy	39.5484, 0.4495, 0.4608
Android (android.graphics.Color)	4291601449 (0xFFCCA429)
YUV	161.9380, -59.6224, 36.8884
Hunter-Lab	62.8875, -0.5547, 36.7634

Details

The XYZ color **38.5775, 39.5484, 7.6982** is a dark color, and the websafe version is hex **CC9900**. The color can be described as middle muted orange. A complement of this color would be **14.7560, 10.7158, 58.4168**, and the grayscale version is **34.5644, 36.3645, 39.6009**.

A 20% lighter version of the original color is **68.7292, 72.7861, 21.7360**, and **17.5822, 17.8300, 2.5149** is the 20% darker color. If you saturate the color by 10%, you get **37.4315, 37.6863, 5.9918**, and if you desaturate by 10%, it is **39.9449, 41.5586, 10.3886**.

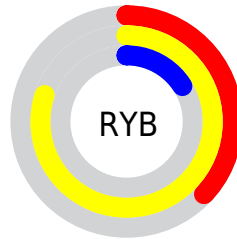
Distribution



Red (80%)

Green (64%)

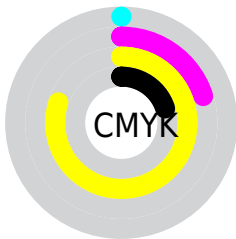
Blue (16%)



Red (37%)

Yellow (80%)

Blue (16%)

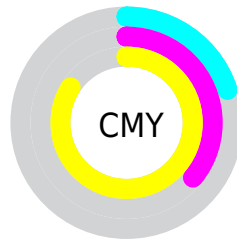


Cyan (0%)

Magenta (20%)

Yellow (80%)

Black (20%)



Cyan (20%)


Magenta (36%)


Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.5775, 39.5484, 7.6982 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 38.5775, 39.5484, 7.6982 by changing the saturation by 10% instead.


 38.5775, 39.5484,
7.6982


 38.5775, 39.5484,
7.6982


331.3290,
344.2165, 183.1906

 26.6105, 27.1866,
3.8175


 72.2906, 74.4753,
21.9010


 17.4159, 17.7134,
1.5257


 94.7675, 97.8093,
33.0600

 10.6286, 10.7444,
0.2370


 121.4782,
125.5694, 47.4823

 5.8831, 5.8953,
0.0000

 152.7883,
158.1401, 65.5864

 2.8141, 2.7815,
0.0000

 189.0631,
195.9058, 87.7907

 1.0563, 1.0187,
0.0000

 230.6679,

 0.0000, 0.0000,

239.2508, 114.5138

0.0000

277.9681,
288.5595, 146.1742

■ 38.5775, 39.5484,
7.6982

■ 38.5775, 39.5484,
7.6982

■ 37.4315, 37.6863,
5.9918

■ 39.9449, 41.5586,
10.3886

■ 36.4575, 35.9472,
5.0229

■ 41.5564, 43.7220,
14.1927

■ 36.4480, 35.9301,
5.0142

■ 43.4346, 46.0497,
19.2230

■ 45.5983, 48.5499,
25.5772

■ 48.0646, 51.2300,
33.3436

■ 50.8491, 54.0968,
42.6024

■ 53.9664, 57.1568,
53.4281

■ 57.4298, 60.4159,
65.8900

■ 61.2522, 63.8798,
80.0532

Harmonies

Analogous

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



49.3329, 39.5484, 10.9061



38.5775, 39.5484, 7.6982



29.2885, 39.5484, 9.8214

Triad

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



38.5775, 39.5484, 7.6982



22.6308, 39.5484, 74.3226



56.7113, 39.5484, 81.5345

Complementary

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



38.5775, 39.5484, 7.6982



14.7560, 10.7158, 58.4168

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.



47.3272, 39.5484, 115.4021



38.5775, 39.5484, 7.6982



27.8755, 39.5484, 110.0745

Square

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



38.5775, 39.5484, 7.6982



21.1328, 39.5484, 40.3170



36.6186, 39.5484, 127.6896



60.9271, 39.5484, 45.9278

Rectangle

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



38.5775, 39.5484, 7.6982



24.9051, 39.5484, 14.9407



36.6186, 39.5484, 127.6896



53.9819, 39.5484, 94.0212

Sweetspot

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



38.5784, 39.5503, 7.6990



82.1104, 87.4565, 63.4744



27.2083, 15.0289, 9.4004



17.2239, 18.3555, 12.4256



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.



38.5784, 39.5503, 7.6990



60.7962, 60.2830, 8.7244



37.1486, 51.1584, 10.0149



11.9116, 12.6122, 11.8860



23.0173, 22.7676, 3.1814



1.2446, 1.2889, 0.1832

Inverse Universe

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



14.7560, 10.7158, 58.4168



20.3845, 11.6995, 95.7916



15.1504, 7.7286, 57.8194



10.8216, 11.2837, 14.1780



7.6416, 4.3071, 36.3849



0.4558, 0.3453, 1.8976

Previews

White Background



This preview shows how the XYZ color 38.5775, 39.5484, 7.6982 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 38.5775, 39.5484, 7.6982 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 38.5775, 39.5484, 7.6982

Background



This preview shows how black text looks on a background with the XYZ color 38.5775, 39.5484, 7.6982.



This preview shows how white text looks on a background with the XYZ color 38.5775, 39.5484,

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

38.5775, 39.5484, 7.6982

Protanopia

35.8411, 39.4903, 7.9238

Deuteranopia

40.1582, 39.3131, 7.7571



Tritanopia

45.3341, 39.4961, 40.8315

Trichromacy



Original Color

38.5775, 39.5484, 7.6982

Protanomaly

36.7423, 39.4067, 7.8602

Deuteranomaly

39.4573, 39.2122, 7.6796

Tritanomaly

41.7416, 39.0253, 23.1019

Monochromacy



Original Color

38.5775, 39.5484, 7.6982

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

34.4987, 36.8495, 22.4339

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.5775, 39.5484, 7.6982 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(204, 164, 41)` looks like.

```
.text, #text, p{  
    color:rgb(204, 164, 41)  
}
```

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(204, 164, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 164, 41) }
```

Border

The CSS property to change the border of an element to XYZ 38.5775, 39.5484, 7.6982 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(204, 164, 41) }
```


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

```
.border{ border-color:rgb(204, 164, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 164, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 164, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 164, 41);  
box-shadow:4px 4px 4px 4px rgb(204, 164,  
41) }
```

Background

The CSS property to change the background color of an element to XYZ 38.5775, 39.5484, 7.6982 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 164, 41) }
```

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

```
.background{ background-color: rgb(204,  
164, 41) }
```

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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