

Converting Colors

XYZ(39.6975, 38.1776, 12.9420)

Have a look what the booklet for
XYZ(39.6975, 38.1776, 12.9420)
contains.

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Color

**XYZ(39.7994, 38.2484,
12.8744)**

Conversions

Conversions Part 1

Format	Color
Hex	D19D50
RGB	209, 157, 80
RGB Percent	82%, 62%, 31%
CMY	0.1804, 0.3843, 0.6863
CMYK	0.00, 0.25, 0.62, 0.18
HSL	36°, 58%, 57%
HSV	36°, 62%, 82%
XYZ	39.7994, 38.2484, 12.8744
YIQ	163.7700, 55.7090, -12.9230

Conversions

Conversions Part 2

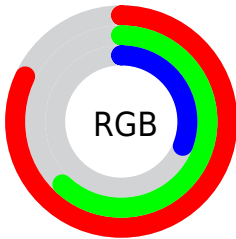
Format	Color
R _{YB}	167, 209, 80
Decimal	13737296
CIE Lab	68.20, 11.12, 47.01
CIE LCh	68, 48.312, 76.691
Yxy	38.2484, 0.4377, 0.4207
Android (android.graphics.Color)	4291927376 (0xFFD19D50)
YUV	163.7700, -41.2986, 39.6667
Hunter-Lab	61.8453, 6.6411, 30.9492

Details

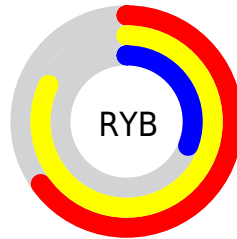
The XYZ color **39.7994, 38.2484, 12.8744** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **23.0677, 22.8104, 63.5083**, and the grayscale version is **35.3496, 37.1905, 40.5005**.

A 20% lighter version of the original color is **68.6991, 69.5145, 31.6266**, and **18.1509, 16.9811, 3.5493** is the 20% darker color. If you saturate the color by 10%, you get **37.7678, 35.2348, 8.9620**, and if you desaturate by 10%, it is **42.1712, 41.5584, 18.0857**.

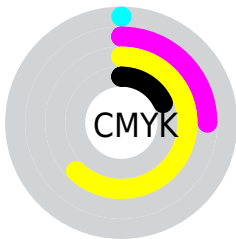
Distribution



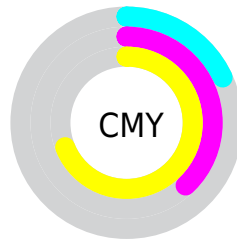
- Red (82%)
- Green (62%)
- Blue (31%)



- Red (65%)
- Yellow (82%)
- Blue (31%)



- Cyan (0%)
- Magenta (25%)
- Yellow (62%)
- Black (18%)



- Cyan (18%)
- Magenta (38%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.7994, 38.2484, 12.8744 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 39.7994, 38.2484, 12.8744 by changing the saturation by 10% instead.

39.7994, 38.2484,
12.8744

39.7994, 38.2484,
12.8744

336.4263,
338.6843, 221.2906

27.5657, 26.1755,
7.2124

74.1442, 72.4887,
31.7658

18.1373, 16.9550,
3.5148

96.9861, 95.4249,
45.8323

11.1489, 10.2024,
1.3631

124.0947,
122.7511, 63.5374

6.2351, 5.5334,
0.1127

155.8353,
154.8516, 85.2997

3.0306, 2.5635,
0.0000

192.5735,
192.1107, 111.5375

1.1700, 0.9083,
0.0000

234.6745,

0.0824, 0.0000,

234.9130, 142.6696

0.0000

282.5036,
283.6427, 179.1145

■ 0.0000, 0.0000,
0.0000

■ 39.7994, 38.2484,
12.8744

■ 39.7994, 38.2484,
12.8744

■ 37.7678, 35.2348,
8.9620

■ 42.1712, 41.5584,
18.0857

■ 36.0486, 32.4988,
6.2238

■ 44.9027, 45.1710,
24.7003

■ 34.6131, 30.0270,
4.5143

■ 48.0145, 49.0990,
32.8148

■ 33.5976, 28.1617,
3.6650

■ 51.5250, 53.3527,
42.5162

■ 55.4511, 57.9416,
53.8849

■ 59.8085, 62.8747,
66.9959

■ 64.6123, 68.1608,
81.9196

■ 69.8765, 73.8082,
98.7224

■ 73.4327, 78.9519,
105.9767

Harmonies

Analogous

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



47.2487, 38.2484, 18.1271



39.7994, 38.2484, 12.8744



32.3419, 38.2484, 13.1669

Triad

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



39.7994, 38.2484, 12.8744



24.1460, 38.2484, 54.7645



47.9738, 38.2484, 77.1698

Complementary

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



39.7994, 38.2484, 12.8744



23.0677, 22.8104, 63.5083

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.



40.6848, 38.2484, 95.5137



39.7994, 38.2484, 12.8744



27.2776, 38.2484, 79.8165

Square

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



39.7994, 38.2484, 12.8744



23.9776, 38.2484, 32.7893



33.1133, 38.2484, 96.6223



52.3903, 38.2484, 51.9692

Rectangle

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



39.7994, 38.2484, 12.8744



28.3516, 38.2484, 16.4121



33.1133, 38.2484, 96.6223



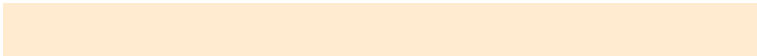
45.7361, 38.2484, 84.6725

Sweetspot

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



39.8003, 38.2503, 12.8751



82.2911, 85.4301, 70.8959



33.4489, 21.0071, 24.7551



17.2485, 17.8528, 14.1355



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.



39.8003, 38.2503, 12.8751



58.3408, 53.8740, 12.5246



47.6029, 58.2196, 16.3184



12.3871, 12.9649, 12.4616



20.8143, 17.5616, 2.2927



1.2405, 1.1353, 0.1538

Inverse Universe

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



23.0677, 22.8104, 63.5083



30.0433, 27.8413, 98.3982



18.6673, 12.5526, 61.7603



11.5492, 12.1887, 14.9876



9.1530, 6.9527, 38.0521



0.5887, 0.5426, 2.1533

Previews

White Background



This preview shows how the XYZ color 39.7994, 38.2484, 12.8744 looks on a white background.

Color Contrast Check

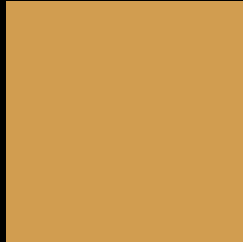
Large Text (above 18pt) WCAG AA × Fail

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 39.7994, 38.2484, 12.8744 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 39.7994, 38.2484, 12.8744

Background



This preview shows how black text looks on a background with the XYZ color 39.7994, 38.2484, 12.8744.



This preview shows how white text looks on a background with the XYZ color 39.7994, 38.2484,

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

39.7994, 38.2484, 12.8744

Protanopia

35.1472, 38.4523, 13.7532

Deuteranopia

39.0229, 38.3546, 12.9359



Tritanopia

44.8722, 38.1301, 37.7957

Trichromacy



Original Color

39.7994, 38.2484, 12.8744

Protanomaly

36.6125, 38.1410, 13.4149

Deuteranomaly

39.1284, 38.1547, 12.8917

Tritanomaly

42.5364, 37.8911, 26.1909

Monochromacy



Original Color

39.7994, 38.2484, 12.8744

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

35.8009, 36.8865, 27.4232

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.7994, 38.2484, 12.8744 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(209, 157, 80)` looks like.

```
.text, #text, p{  
    color:rgb(209, 157, 80)  
}
```

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(209, 157, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 157, 80) }
```

Border

The CSS property to change the border of an element to XYZ 39.7994, 38.2484, 12.8744 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(209, 157, 80) }
```


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

```
.border{ border-color:rgb(209, 157, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 157, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 157, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 157, 80);  
box-shadow:4px 4px 4px 4px rgb(209, 157,  
80) }
```

Background

The CSS property to change the background color of an element to XYZ 39.7994, 38.2484, 12.8744 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 157, 80) }
```

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

```
.background{ background-color: rgb(209,  
157, 80) }
```

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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