

Converting Colors

XYZ(44.4719, 40.2343, 10.9007)

Have a look what the booklet for
XYZ(44.4719, 40.2343, 10.9007)
contains.

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Color

**XYZ(44.4433, 40.1909,
10.8841)**

Conversions

Conversions Part 1

Format	Color
Hex	E39B44
RGB	227, 155, 68
RGB Percent	89%, 61%, 27%
CMY	0.1098, 0.3921, 0.7333
CMYK	0.00, 0.32, 0.70, 0.11
HSL	33°, 74%, 58%
HSV	33°, 70%, 89%
XYZ	44.4433, 40.1909, 10.8841
YIQ	166.6100, 70.8390, -11.7930

Conversions

Conversions Part 2

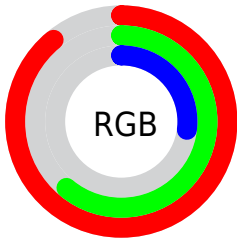
Format	Color
R_{YB}	200, 227, 68
Decimal	14916420
CIE Lab	69.61, 19.10, 54.78
CIE LCh	70, 58.009, 70.780
Yxy	40.1909, 0.4653, 0.4208
Android (android.graphics.Color)	4293106500 (0xFFE39B44)
YUV	166.6100, -48.6147, 52.9620
Hunter-Lab	63.3963, 14.1920, 34.1983

Details

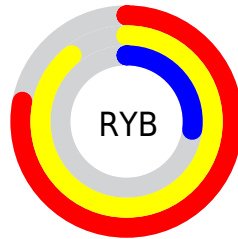
The XYZ color **44.4433, 40.1909, 10.8841** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **25.6267, 25.5301, 76.2498**, and the grayscale version is **36.7466, 38.6603, 42.1010**.

A 20% lighter version of the original color is **67.4306, 68.2170, 27.3825**, and **20.9471, 18.1403, 2.7140** is the 20% darker color. If you saturate the color by 10%, you get **42.2417, 36.6903, 7.3689**, and if you desaturate by 10%, it is **47.0604, 44.0941, 15.8611**.

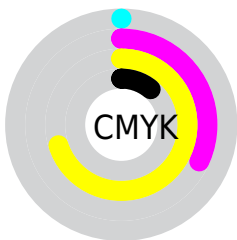
Distribution



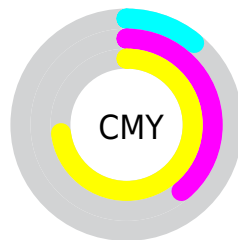
- Red (89%)
- Green (61%)
- Blue (27%)



- Red (78%)
- Yellow (89%)
- Blue (27%)



- Cyan (0%)
- Magenta (32%)
- Yellow (70%)
- Black (11%)





- Cyan (11%)
- Magenta (39%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.4433, 40.1909, 10.8841 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 44.4433, 40.1909, 10.8841 by changing the saturation by 10% instead.


 44.4433, 40.1909,
10.8841


 44.4433, 40.1909,
10.8841


355.3360,
346.9275, 207.5795

 31.2186, 27.6874,
5.8758


 81.1266, 75.4541,
28.0790


 20.9180, 18.0902,
2.7021


 105.3159, 98.9826,
41.1027


 13.1762, 11.0147,
0.9445

 133.8908,
126.9550, 57.6352

 7.6278, 6.0768,
0.0000

 167.2165,
159.7555, 78.0951

 3.9075, 2.8918,
0.0000

 205.6586,
197.7686, 102.9009

 1.6499, 1.0755,
0.0000

249.5823,

 0.4246, 0.0000,

241.3788, 132.4713

0.0000

299.3529,
290.9703, 167.2246

■ 0.0000, 0.0000,
0.0000

■ 44.4433, 40.1909,
10.8841

■ 44.4433, 40.1909,
10.8841

■ 42.2417, 36.6903,
7.3689

■ 47.0604, 44.0941,
15.8611

■ 40.4164, 33.5657,
5.1386

■ 50.1216, 48.4118,
22.4447

■ 38.9129, 30.7999,
3.8940

■ 53.6552, 53.1624,
30.7643

■ 57.6863, 58.3612,
40.9357

■ 62.2379, 64.0225,
53.0643

■ 67.3315, 70.1596,
67.2476

■ 72.9870, 76.7853,
83.5768

■ 79.2234, 83.9120,
102.1372

■ 83.1461, 90.3863,
107.6718

Harmonies

Analogous

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



53.5311, 40.1909, 17.9707



44.4433, 40.1909, 10.8841



34.9285, 40.1909, 10.1252

Triad

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



44.4433, 40.1909, 10.8841



23.0944, 40.1909, 54.1390



51.2175, 40.1909, 95.6129

Complementary

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



44.4433, 40.1909, 10.8841



25.6267, 25.5301, 76.2498

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.



41.6702, 40.1909, 116.5363



44.4433, 40.1909, 10.8841



26.1175, 40.1909, 86.8544

Square

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



44.4433, 40.1909, 10.8841



23.5885, 40.1909, 28.8784



32.5711, 40.1909, 112.8012



57.8629, 40.1909, 63.0389

Rectangle

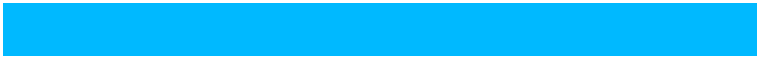
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



44.4433, 40.1909, 10.8841



29.7023, 40.1909, 12.7153



32.5711, 40.1909, 112.8012



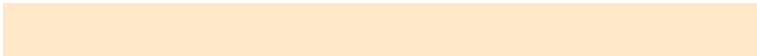
48.1817, 40.1909, 104.7435

Sweetspot

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



44.4442, 40.1929, 10.8849



80.3424, 82.5117, 67.2281



38.6433, 22.4245, 27.9621



16.8338, 17.2134, 13.4113



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.



44.4442, 40.1929, 10.8849



53.8654, 45.8761, 8.0955



58.5447, 70.8375, 16.0567



15.0274, 15.6686, 15.1368



22.8124, 18.1990, 2.3104



1.7783, 1.5299, 0.2016

Inverse Universe

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



25.6267, 25.5301, 76.2498



28.0148, 25.8039, 98.1119



18.7030, 11.1089, 73.8311



14.1176, 14.9566, 18.2872



11.0156, 9.0933, 43.5578



0.9058, 0.8555, 3.2494

Previews

White Background



This preview shows how the XYZ color 44.4433, 40.1909, 10.8841 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 44.4433, 40.1909, 10.8841 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

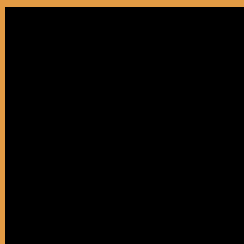
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 44.4433, 40.1909, 10.8841

Background



This preview shows how black text looks on a background with the XYZ color 44.4433, 40.1909, 10.8841.



This preview shows how white text looks on a background with the XYZ color 44.4433, 40.1909,

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

44.4433, 40.1909, 10.8841

Protanopia

37.0007, 40.5540, 12.1809

Deuteranopia

41.0551, 40.2311, 10.7558



Tritanopia

49.9690, 40.3157, 37.0464

Trichromacy



Original Color

44.4433, 40.1909, 10.8841

Protanomaly

39.2211, 40.0617, 11.6267

Deuteranomaly

42.0265, 39.9532, 10.8069

Tritanomaly

47.4041, 39.9645, 24.6175

Monochromacy



Original Color

44.4433, 40.1909, 10.8841

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

38.1802, 38.6519, 26.9210

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.4433, 40.1909, 10.8841 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(227, 155, 68)` looks like.

```
.text, #text, p{  
    color:rgb(227, 155, 68)  
}
```

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(227, 155, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 155, 68) }
```

Border

The CSS property to change the border of an element to XYZ 44.4433, 40.1909, 10.8841 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(227, 155, 68) }
```


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

```
.border{ border-color:rgb(227, 155, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 155, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 155, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 155, 68);  
box-shadow:4px 4px 4px 4px rgb(227, 155,  
68) }
```

Background

The CSS property to change the background color of an element to XYZ 44.4433, 40.1909, 10.8841 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 155, 68) }
```

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

```
.background{ background-color: rgb(227,  
155, 68) }
```

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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