

Converting Colors

XYZ(31.6138, 30.4731, 7.8396)

Have a look what the booklet for
XYZ(31.6138, 30.4731, 7.8396)
contains.

XYZ(31.5978, 30.5690, 7.8495)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(31.5978, 30.5690,
7.8495)**

Conversions

Conversions Part 1

Format	Color
Hex	BE8E37
RGB	190, 142, 55
RGB Percent	75%, 56%, 22%
CMY	0.2549, 0.4431, 0.7843
CMYK	0.00, 0.25, 0.71, 0.25
HSL	39°, 55%, 48%
HSV	39°, 71%, 75%
XYZ	31.5978, 30.5690, 7.8495
YIQ	146.4340, 56.5350, -16.8810

Conversions

Conversions Part 2

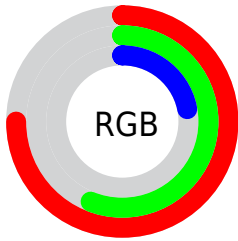
Format	Color
RYB	129, 190, 55
Decimal	12488247
CIELab	62.14, 9.55, 51.49
CIELCh	62, 52.368, 79.490
Yxy	30.5690, 0.4513, 0.4366
Android (android.graphics.Color)	4290678327 (0xFFBE8E37)
YUV	146.4340, -45.0770, 38.2074
Hunter-Lab	55.2892, 5.2566, 30.2850

Details

The XYZ color **31.5978, 30.5690, 7.8495** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **15.7199, 14.2299, 50.6330**, and the grayscale version is **27.6639, 29.1046, 31.6949**.

A 20% lighter version of the original color is **61.5410, 60.3948, 22.0495**, and **13.3429, 12.5598, 1.7210** is the 20% darker color. If you saturate the color by 10%, you get **30.2525, 28.4724, 5.5706**, and if you desaturate by 10%, it is **33.1807, 32.8606, 11.0730**.

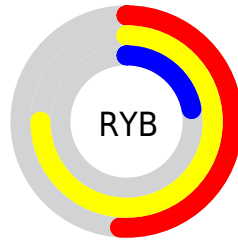
Distribution



Red (75%)

Green (56%)

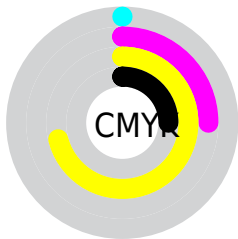
Blue (22%)



Red (51%)

Yellow (75%)

Blue (22%)

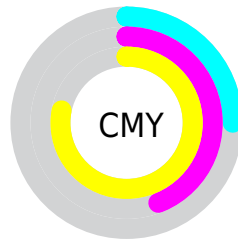


Cyan (0%)

Magenta (25%)

Yellow (71%)

Black (25%)



Cyan (25%)


Magenta (44%)


Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.5978, 30.5690, 7.8495 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 31.5978, 30.5690, 7.8495 by changing the saturation by 10% instead.


 31.5978, 30.5690,
7.8495


 31.5978, 30.5690,
7.8495


301.0609,
304.5478, 184.4371

 21.2085, 20.2709,
3.9124


 61.5495, 60.5609,
22.2042

 13.3898, 12.5921,
1.5774


 81.8426, 81.0234,
33.4588


 7.7764, 7.1483,
0.2746

 106.1678,
105.6428, 47.9897

 4.0028, 3.5550,
0.0000

 134.8903,
134.8036, 66.2154

 1.7037, 1.4279,
0.0000

 168.3755,
168.8901, 88.5544

 0.4586, 0.2371,
0.0000

 206.9888,

 0.0000, 0.0000,

208.2867, 115.4254

0.0000

251.0955,
253.3778, 147.2467

■ 31.5978, 30.5690,
7.8495

■ 31.5978, 30.5690,
7.8495

■ 30.2525, 28.4724,
5.5706

■ 33.1807, 32.8606,
11.0730

■ 29.1202, 26.5555,
4.1214

■ 35.0182, 35.3519,
15.3346

■ 28.2500, 24.9770,
3.3321

■ 37.1278, 38.0529,
20.7182

■ 39.5246, 40.9710,
27.2988

■ 42.2225, 44.1135,
35.1447

■ 45.2344, 47.4870,
44.3193

■ 48.5724, 51.0979,
54.8813

■ 52.2478, 54.9521,
66.8862

■ 56.2714, 59.0553,
80.3863

Harmonies

Analogous

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



38.7773, 30.5690, 11.6372



31.5978, 30.5690, 7.8495



24.7639, 30.5690, 8.4652

Triad

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



31.5978, 30.5690, 7.8495



18.0603, 30.5690, 47.9855



40.6244, 30.5690, 65.3980

Complementary

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



31.5978, 30.5690, 7.8495



15.7199, 14.2299, 50.6330

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.



33.8150, 30.5690, 84.9175



31.5978, 30.5690, 7.8495



21.1108, 30.5690, 72.3725

Square

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



31.5978, 30.5690, 7.8495



17.6633, 30.5690, 26.6946



26.6523, 30.5690, 87.8878



44.5205, 30.5690, 40.8782

Rectangle

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



31.5978, 30.5690, 7.8495



21.2606, 30.5690, 11.4180



26.6523, 30.5690, 87.8878



38.5535, 30.5690, 73.1211

Sweetspot

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



31.5985, 30.5705, 7.8501



76.3646, 79.7703, 63.2434



25.1256, 14.6894, 14.7418



16.4574, 17.1588, 12.9667



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



31.5985, 30.5705, 7.8501



53.6843, 49.7070, 8.5236



36.1162, 45.8732, 10.5657



10.0291, 10.5342, 10.0813



18.8610, 16.7608, 2.2411



0.7984, 0.7757, 0.1076

Inverse Universe

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



15.7199, 14.2299, 50.6330



23.3868, 18.6875, 90.6536



13.4084, 7.8669, 49.5266



9.2866, 9.7655, 12.0677



7.6044, 5.3206, 33.0191



0.3604, 0.3334, 1.3142

Previews

White Background



This preview shows how the XYZ color 31.5978, 30.5690, 7.8495 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 31.5978, 30.5690, 7.8495 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

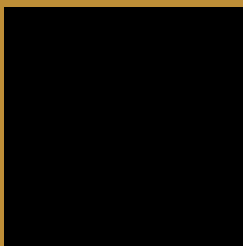
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.5978, 30.5690, 7.8495

Background



This preview shows how black text looks on a background with the XYZ color 31.5978, 30.5690, 7.8495.



This preview shows how white text looks on a background with the XYZ color 31.5978, 30.5690,

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

31.5978, 30.5690, 7.8495

Protanopia

27.9536, 30.7535, 8.3336

Deuteranopia

31.2511, 30.6121, 7.8760



Tritanopia

36.1104, 30.4940, 29.9693

Trichromacy



Original Color

31.5978, 30.5690, 7.8495

Protanomaly

29.2082, 30.6954, 8.1268

Deuteranomaly

31.4983, 30.7396, 7.8876

Tritanomaly

33.9215, 30.2254, 19.0851

Monochromacy



Original Color

31.5978, 30.5690, 7.8495

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

28.0063, 29.1244, 19.7683

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5978, 30.5690, 7.8495 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(190, 142, 55)` looks like.

```
.text, #text, p{  
    color:rgb(190, 142, 55)  
}
```

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(190, 142, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 142, 55) }
```

Border

The CSS property to change the border of an element to XYZ 31.5978, 30.5690, 7.8495 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(190, 142, 55) }
```


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

```
.border{ border-color:rgb(190, 142, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 142, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 142, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 142, 55);  
box-shadow:4px 4px 4px 4px rgb(190, 142,  
55) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5978, 30.5690, 7.8495 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 142, 55) }
```

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

```
.background{ background-color: rgb(190,  
142, 55) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor