

Converting Colors

XYZ(31.0246, 27.7359, 6.6799)

Have a look what the booklet for
XYZ(31.0246, 27.7359, 6.6799)
contains.

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Color

**XYZ(31.0640, 27.7977,
6.7458)**

Conversions

Conversions Part 1

Format	Color
Hex	C38232
RGB	195, 130, 50
RGB Percent	76%, 51%, 20%
CMY	0.2353, 0.4902, 0.8039
CMYK	0.00, 0.33, 0.74, 0.24
HSL	33°, 59%, 48%
HSV	33°, 74%, 76%
XYZ	31.0640, 27.7977, 6.7458
YIQ	140.3150, 64.4200, -11.1000

Conversions

Conversions Part 2

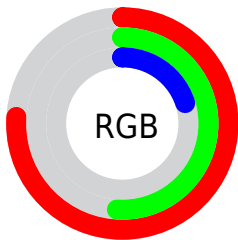
Format	Color
R_{YB}	168, 195, 50
Decimal	12812850
CIE _{Lab}	59.71, 18.09, 51.39
CIE _{LCh}	60, 54.481, 70.603
Yxy	27.7977, 0.4735, 0.4237
Android (android.graphics.Color)	4291002930 (0xFFC38232)
YUV	140.3150, -44.5253, 47.9587
Hunter-Lab	52.7235, 12.9037, 29.3205

Details

The XYZ color **31.0640, 27.7977, 6.7458** is a dark color, and the websafe version is hex **CC9933**. The color can be described as dark muted orange. A complement of this color would be **17.2959, 16.8787, 53.9756**, and the grayscale version is **25.2010, 26.5134, 28.8731**.

A 20% lighter version of the original color is **60.5224, 56.0666, 19.9440**, and **13.0958, 11.1191, 1.4560** is the 20% darker color. If you saturate the color by 10%, you get **29.6159, 25.4376, 4.6112**, and if you desaturate by 10%, it is **32.7912, 30.4298, 9.8575**.

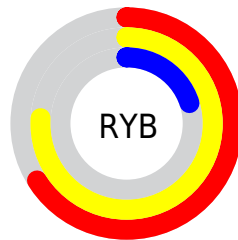
Distribution



Red (76%)

Green (51%)

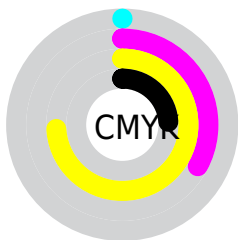
Blue (20%)



Red (66%)

Yellow (76%)

Blue (20%)

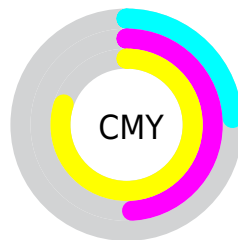


Cyan (0%)

Magenta (33%)

Yellow (74%)

Black (24%)



Cyan (24%)


Magenta (49%)


Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.0640, 27.7977, 6.7458 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 31.0640, 27.7977, 6.7458 by changing the saturation by 10% instead.


 31.0640, 27.7977,
6.7458


 31.0640, 27.7977,
6.7458


298.6547,
291.4990, 175.0845


 20.7997, 18.1732,
3.2276


 60.7160, 56.1613,
19.9641

 13.0893, 11.0744,
1.2120


 80.8343, 75.6692,
30.5012


 7.5675, 6.1169,
0.0000


 104.9680, 99.2404,
44.2151

 3.8689, 2.9163,
0.0000

 133.4825,
127.2592, 61.5243

 1.6282, 1.0882,
0.0000

 166.7430,
160.1101, 82.8472

 0.4107, 0.0000,
0.0000

 205.1150,

 0.0000, 0.0000,

198.1774, 108.6026

0.0000

248.9638,
241.8456, 139.2088

■ 31.0640, 27.7977,
6.7458

■ 31.0640, 27.7977,
6.7458

■ 29.6159, 25.4376,
4.6112

■ 32.7912, 30.4298,
9.8575

■ 28.4181, 23.3306,
3.3221

■ 34.8183, 33.3425,
14.0522

■ 27.8252, 22.2415,
2.8265

■ 37.1657, 36.5488,
19.4236

■ 39.8513, 40.0594,
26.0545

■ 42.8913, 43.8841,
34.0204

■ 46.3008, 48.0324,
43.3908

■ 50.0941, 52.5131,
54.2302

■ 54.2844, 57.3348,
66.5990

■ 58.8845, 62.5055,
80.5544

Harmonies

Analogous

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



37.7955, 27.7977, 11.6950



31.0640, 27.7977, 6.7458



24.0599, 27.7977, 6.2079

Triad

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



31.0640, 27.7977, 6.7458



15.4313, 27.7977, 37.7900



36.0031, 27.7977, 69.1233

Complementary

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



31.0640, 27.7977, 6.7458



17.2959, 16.8787, 53.9756

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.



28.9315, 27.7977, 84.8925



31.0640, 27.7977, 6.7458



17.5934, 27.7977, 62.2394

Square

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



31.0640, 27.7977, 6.7458



15.8011, 27.7977, 19.3444



22.2651, 27.7977, 81.9362



40.9720, 27.7977, 44.6791

Rectangle

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



31.0640, 27.7977, 6.7458



20.2403, 27.7977, 7.9621



22.2651, 27.7977, 81.9362



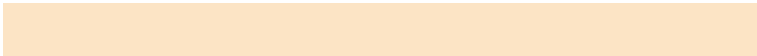
33.7467, 27.7977, 76.0099

Sweetspot

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



31.0646, 27.7991, 6.7463



77.9971, 80.0491, 64.1100



26.7551, 15.1270, 17.8050



16.7283, 17.0952, 13.0902



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.



31.0646, 27.7991, 6.7463



51.7009, 43.2343, 6.7043



40.7680, 49.9197, 10.5046



10.5235, 10.9785, 10.6263



18.1700, 14.6258, 1.8654



0.8531, 0.7679, 0.1033

Inverse Universe

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



17.2959, 16.8787, 53.9756



25.8966, 22.8643, 95.5181



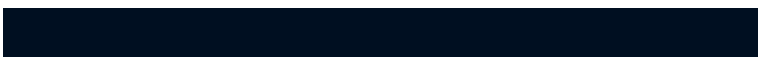
12.6927, 7.0987, 52.3305



9.8917, 10.4747, 12.7853



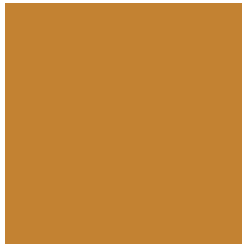
8.7202, 7.1968, 34.4861



0.4455, 0.4483, 1.5129

Previews

White Background



This preview shows how the XYZ color 31.0640, 27.7977, 6.7458 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 31.0640, 27.7977, 6.7458 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 × Fail

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

XYZ 31.0640, 27.7977, 6.7458

Background



This preview shows how black text looks on a background with the XYZ color 31.0640, 27.7977, 6.7458.



This preview shows how white text looks on a background with the XYZ color 31.0640, 27.7977,

6.7458.

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

31.0640, 27.7977, 6.7458

Protanopia

25.3371, 27.7899, 7.5186

Deuteranopia

28.3016, 27.8080, 6.6721



Tritanopia

34.8757, 27.8371, 25.0077

Trichromacy



Original Color

31.0640, 27.7977, 6.7458

Protanomaly

27.1088, 27.6065, 7.2680

Deuteranomaly

29.0871, 27.5862, 6.6974

Tritanomaly

33.0206, 27.6323, 16.1636

Monochromacy



Original Color

31.0640, 27.7977, 6.7458

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

25.9552, 26.1434, 17.5881

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0640, 27.7977, 6.7458 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(195, 130, 50)` looks like.

```
.text, #text, p{  
    color:rgb(195, 130, 50)  
}
```

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(195, 130, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 130, 50) }
```

Border

The CSS property to change the border of an element to XYZ 31.0640, 27.7977, 6.7458 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(195, 130, 50) }
```


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

```
.border{ border-color:rgb(195, 130, 50) }
```

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

Here you see how a box with a 4 pixel rgb(195, 130, 50) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 130, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 130, 50);  
box-shadow:4px 4px 4px 4px rgb(195, 130,  
50) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0640, 27.7977, 6.7458 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 130, 50) }
```

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

```
.background{ background-color: rgb(195,  
130, 50) }
```

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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