

Converting Colors

XYZ(31.9482, 27.7366, 3.6693)

Have a look what the booklet for
XYZ(31.9482, 27.7366, 3.6693)
contains.

XYZ(31.9465, 27.7353, 3.6697)	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(31.9465, 27.7353,
3.6697)**

Conversions

Conversions Part 1

Format	Color
Hex	CA7F00
RGB	202, 127, 0
RGB Percent	79%, 50%, 0%
CMY	0.2078, 0.5019, 1.0000
CMYK	0.00, 0.37, 1.00, 0.21
HSL	38°, 100%, 40%
HSV	38°, 100%, 79%
XYZ	31.9465, 27.7353, 3.6697
YIQ	134.9470, 85.4670, -23.5970

Conversions

Conversions Part 2

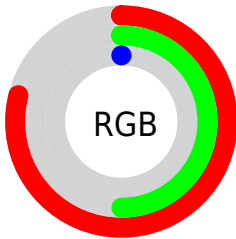
Format	Color
R_{YB}	119, 202, 0
Decimal	13270784
CIE _{Lab}	59.65, 21.57, 65.83
CIE _{LCh}	60, 69.270, 71.858
Yxy	27.7353, 0.5043, 0.4378
Android (android.graphics.Color)	4291460864 (0xFFCA7F00)
YUV	134.9470, -66.5289, 58.8055
Hunter-Lab	52.6643, 16.1167, 32.7336

Details

The XYZ color **31.9465, 27.7353, 3.6697** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **13.1770, 9.2969, 56.9766**, and the grayscale version is **23.2275, 24.4371, 26.6120**.

A 20% lighter version of the original color is **58.6354, 54.3322, 13.0270**, and **13.8797, 11.1996, 1.4302** is the 20% darker color. If you saturate the color by 10%, you get **31.9466, 27.7358, 3.6698**, and if you desaturate by 10%, it is **33.0802, 29.7980, 4.6797**.

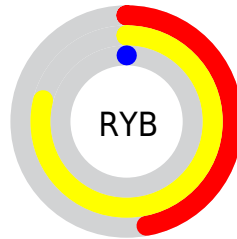
Distribution



Red (79%)

Green (50%)

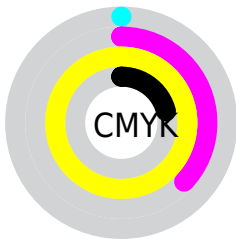
Blue (0%)



Red (47%)

Yellow (79%)

Blue (0%)

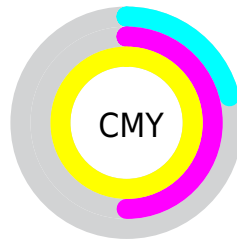


Cyan (0%)

Magenta (37%)

Yellow (100%)

Black (21%)



Cyan (21%)

Magenta (50%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.9465, 27.7353, 3.6697 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 31.9465, 27.7353, 3.6697 by changing the saturation by 10% instead.

■ 31.9465, 27.7353,
3.6697

■ 31.9465, 27.7353,
3.6697

302.6251,
291.1999, 144.4801

■ 21.4760, 18.1262,
1.4459

■ 62.0930, 56.0616,
13.2405

■ 13.5868, 11.0406,
0.1772

■ 82.4996, 75.5475,
21.4247

■ 7.9136, 6.0942,
0.0000

■ 106.9491, 99.0946,
32.4327

■ 4.0911, 2.9024,
0.0000

■ 135.8066,
127.0871, 46.6832

■ 1.7538, 1.0810,
0.0000

■ 169.4376,
159.9095, 64.5946


■ 0.4896, 0.0000,
0.0000


■ 208.2075,


■ 0.0000, 0.0000,


197.9462, 86.5856


0.0000


 252.4815,
241.5815, 113.0746


 31.9465, 27.7353,
3.6697

 31.9465, 27.7353,
3.6697


 31.9466, 27.7358,
3.6698

 33.0802, 29.7980,
4.6797

 34.4207, 32.0600,
6.4182

 36.0163, 34.5442,
9.1294

 37.8927, 37.2632,
12.9425

 40.0722, 40.2280,
17.9670

■ 42.5743, 43.4487,
24.2990

■ 45.4164, 46.9343,
32.0247

■ 48.6149, 50.6933,
41.2230

■ 52.1847, 54.7339,
51.9668

Harmonies

Analogous

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



40.9589, 27.7353, 8.1266



31.9465, 27.7353, 3.6697



23.0579, 27.7353, 3.3449

Triad

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



31.9465, 27.7353, 3.6697



13.1011, 27.7353, 41.2041



39.2365, 27.7353, 82.0798

Complementary

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



31.9465, 27.7353, 3.6697



13.1770, 9.2969, 56.9766

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.



29.9667, 27.7353, 106.0023



31.9465, 27.7353, 3.6697



15.7240, 27.7353, 75.0278

Square

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



31.9465, 27.7353, 3.6697



13.4024, 27.7353, 17.5581



21.4687, 27.7353, 102.8802



45.7667, 27.7353, 47.7951

Rectangle

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



31.9465, 27.7353, 3.6697



18.4512, 27.7353, 4.9946



21.4687, 27.7353, 102.8802



36.2605, 27.7353, 92.2727

Sweetspot

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



31.9471, 27.7367, 3.6702



76.6853, 79.2128, 53.6310



25.7121, 13.0987, 8.2758



15.9604, 16.4047, 10.2283



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.



31.9471, 27.7367, 3.6702



53.8673, 46.5145, 6.1391



39.5802, 51.7571, 7.9043



11.7902, 12.3693, 11.8455



20.6451, 18.0232, 2.3907



1.1362, 1.0721, 0.1471

Inverse Universe

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



13.1770, 9.2969, 56.9766



22.1130, 15.3459, 96.4043



11.0274, 4.4535, 56.1551



10.9372, 11.5149, 14.2165



8.5577, 6.1393, 36.6902



0.5137, 0.4611, 1.9169

Previews

White Background



This preview shows how the XYZ color 31.9465, 27.7353, 3.6697 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 31.9465, 27.7353, 3.6697 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 31.9465, 27.7353, 3.6697

Background



This preview shows how black text looks on a background with the XYZ color 31.9465, 27.7353, 3.6697.



This preview shows how white text looks on a background with the XYZ color 31.9465, 27.7353,

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

31.9465, 27.7353, 3.6697

Protanopia

25.3159, 28.0718, 4.5360

Deuteranopia

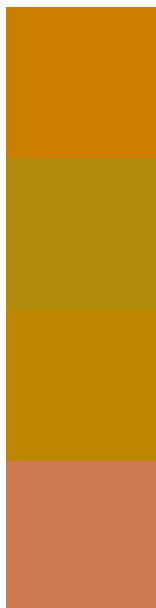
28.2371, 27.8364, 3.8847



Tritanopia

36.0413, 27.7546, 23.5363

Trichromacy



Original Color

31.9465, 27.7353, 3.6697

Protanomaly

27.2747, 27.5460, 4.1665

Deuteranomaly

29.3738, 27.5939, 3.7780

Tritanomaly

33.4994, 27.2480, 11.2784

Monochromacy



Original Color

31.9465, 27.7353, 3.6697

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

24.2291, 24.5453, 12.2648

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9465, 27.7353, 3.6697 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(202, 127, 0)` looks like.

```
.text, #text, p{  
    color:rgb(202, 127, 0)  
}
```

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(202, 127, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 127, 0) }
```

Border

The CSS property to change the border of an element to XYZ 31.9465, 27.7353, 3.6697 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(202, 127, 0) }
```


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

```
.border{ border-color:rgb(202, 127, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 127, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 127, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 127, 0);  
box-shadow:4px 4px 4px 4px rgb(202, 127,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9465, 27.7353, 3.6697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 127, 0) }
```

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

```
.background{ background-color: rgb(202,  
127, 0) }
```

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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