

Converting Colors

XYZ(32.8027, 27.5929, 3.5971)

Have a look what the booklet for
XYZ(32.8027, 27.5929, 3.5971)
contains.

XYZ(32.9398, 27.6807, 3.6068)	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(32.9398, 27.6807,
3.6068)**

Conversions

Conversions Part 1

Format	Color
Hex	CF7C00
RGB	207, 124, 0
RGB Percent	81%, 49%, 0%
CMY	0.1882, 0.5137, 1.0000
CMYK	0.00, 0.40, 1.00, 0.19
HSL	36°, 100%, 41%
HSV	36°, 100%, 81%
XYZ	32.9398, 27.6807, 3.6068
YIQ	134.6810, 89.2720, -20.9680

Conversions

Conversions Part 2

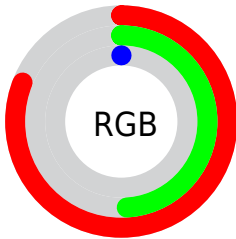
Format	Color
R_{YB}	139, 207, 0
Decimal	13597696
CIE _{Lab}	59.60, 25.35, 66.11
CIE _{LCh}	60, 70.805, 69.022
Yxy	27.6807, 0.5129, 0.4310
Android (android.graphics.Color)	4291787776 (0xFFCF7C00)
YUV	134.6810, -66.3977, 63.4238
Hunter-Lab	52.6125, 19.6842, 32.7641

Details

The XYZ color **32.9398, 27.6807, 3.6068** 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 **14.3559, 10.6919, 60.3382**, and the grayscale version is **23.1270, 24.3314, 26.4969**.

A 20% lighter version of the original color is **58.0363, 53.1340, 12.8273**, and **14.3701, 11.1431, 1.3935** is the 20% darker color. If you saturate the color by 10%, you get **32.9399, 27.6812, 3.6069**, and if you desaturate by 10%, it is **34.1574, 29.9040, 4.6671**.

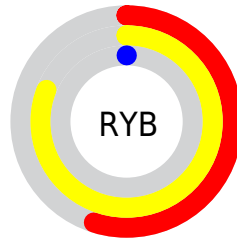
Distribution



Red (81%)

Green (49%)

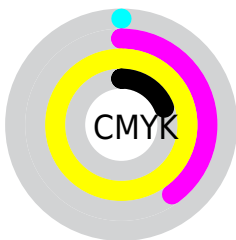
Blue (0%)



Red (55%)

Yellow (81%)

Blue (0%)

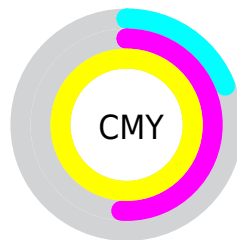


Cyan (0%)

Magenta (40%)

Yellow (100%)

Black (19%)



Cyan (19%)


Magenta (51%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.9398, 27.6807, 3.6068 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 32.9398, 27.6807, 3.6068 by changing the saturation by 10% instead.


 32.9398, 27.6807,
3.6068


 32.9398, 27.6807,
3.6068


307.0482,
290.9380, 143.7492


 22.2393, 18.0851,
1.4122


 63.6368, 55.9743,
13.0923

 14.1505, 11.0111,
0.1512


 84.3641, 75.4410,
21.2202

 8.3078, 6.0743,
0.0000


 109.1644, 98.9669,
32.1631


 4.3460, 2.8903,
0.0000

 138.4031,
126.9364, 46.3393

 1.8997, 1.0747,
0.0000

 172.4454,
159.7339, 64.1675

 0.5766, 0.0000,
0.0000

 211.6568,

 0.0000, 0.0000,

197.7437, 86.0662

0.0000

256.4026,
241.3503, 112.4539

32.9398, 27.6807,
3.6068

32.9398, 27.6807,
3.6068

32.9399, 27.6812,
3.6069

34.1574, 29.9040,
4.6671

35.6062, 32.3619,
6.5052

37.3369, 35.0792,
9.3762

39.3776, 38.0702,
13.4178

41.7521, 41.3475,
18.7465

■ 44.4815, 44.9223,
25.4645

■ 47.5850, 48.8053,
33.6634

■ 51.0800, 53.0061,
43.4273

■ 54.9829, 57.5340,
54.8337

Harmonies

Analogous

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



42.0097, 27.6807, 8.5858



32.9398, 27.6807, 3.6068



23.7110, 27.6807, 3.0012

Triad

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



32.9398, 27.6807, 3.6068



12.7465, 27.6807, 38.5161



38.6523, 27.6807, 86.6691

Complementary

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



32.9398, 27.6807, 3.6068



14.3559, 10.6919, 60.3382

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.



29.0916, 27.6807, 109.3284



32.9398, 27.6807, 3.6068



15.1082, 27.6807, 72.8468

Square

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



32.9398, 27.6807, 3.6068



13.3254, 27.6807, 15.7530



20.6349, 27.6807, 103.1950



45.7917, 27.6807, 51.3659

Rectangle

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



32.9398, 27.6807, 3.6068



18.8357, 27.6807, 4.3610



20.6349, 27.6807, 103.1950



35.5378, 27.6807, 96.7212

Sweetspot

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



32.9404, 27.6822, 3.6073



76.0699, 77.9818, 53.4259



27.4220, 13.9415, 10.1037



15.8138, 16.1115, 10.1794



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.



32.9404, 27.6822, 3.6073



52.5915, 43.9631, 5.7138



43.4856, 55.5403, 8.4287



12.3892, 12.9691, 12.4623



20.8486, 17.6302, 2.3041



1.2423, 1.1389, 0.1544

Inverse Universe

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



14.3559, 10.6919, 60.3382



22.8253, 16.7705, 96.6418



11.4983, 4.6267, 59.3181



11.5472, 12.1846, 14.9869



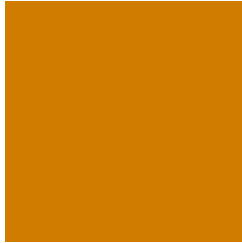
9.1317, 6.9100, 38.0450



0.5874, 0.5400, 2.1528

Previews

White Background



This preview shows how the XYZ color 32.9398, 27.6807, 3.6068 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 32.9398, 27.6807, 3.6068 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 32.9398, 27.6807, 3.6068

Background



This preview shows how black text looks on a background with the XYZ color 32.9398, 27.6807, 3.6068.



This preview shows how white text looks on a background with the XYZ color 32.9398, 27.6807,

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

32.9398, 27.6807, 3.6068

Protanopia

24.9671, 27.6653, 4.5142

Deuteranopia

28.2371, 27.8364, 3.8847



Tritanopia

36.9202, 27.7138, 22.4722

Trichromacy



Original Color

32.9398, 27.6807, 3.6068

Protanomaly

27.3605, 27.3782, 4.1296

Deuteranomaly

29.7371, 27.5789, 3.7559

Tritanomaly

34.4681, 27.2230, 10.8350

Monochromacy



Original Color

32.9398, 27.6807, 3.6068

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

24.4940, 24.4816, 12.2385

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.9398, 27.6807, 3.6068 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(207, 124, 0)` looks like.

```
.text, #text, p{  
    color:rgb(207, 124, 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(207, 124, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 124, 0) }
```

Border

The CSS property to change the border of an element to XYZ 32.9398, 27.6807, 3.6068 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(207, 124, 0) }
```


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

```
.border{ border-color:rgb(207, 124, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 124, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 124, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 124, 0);  
box-shadow:4px 4px 4px 4px rgb(207, 124,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 32.9398, 27.6807, 3.6068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 124, 0) }
```

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

```
.background{ background-color: rgb(207,  
124, 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](#).

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