

Converting Colors

XYZ(28.2967, 26.7158, 2.2616)

Have a look what the booklet for
XYZ(28.2967, 26.7158, 2.2616)
contains.

XYZ(28.6098, 26.7974, 3.6645)	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(28.6098, 26.7974,
3.6645)**

Conversions

Conversions Part 1

Format	Color
Hex	BB8300
RGB	187, 131, 0
RGB Percent	73%, 51%, 0%
CMY	0.2667, 0.4863, 1.0000
CMYK	0.00, 0.30, 1.00, 0.27
HSL	42°, 100%, 37%
HSV	42°, 100%, 73%
XYZ	28.6098, 26.7974, 3.6645
YIQ	132.8100, 75.4270, -28.8690

Conversions

Conversions Part 2

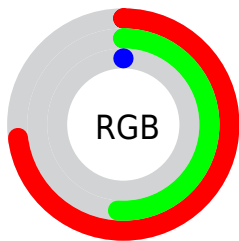
Format	Color
RYB	80, 187, 0
Decimal	12288768
CIELab	58.79, 12.74, 64.37
CIELCh	59, 65.617, 78.808
Yxy	26.7974, 0.4843, 0.4536
Android (android.graphics.Color)	4290478848 (0xFFBB8300)
YUV	132.8100, -65.4753, 47.5246
Hunter-Lab	51.7662, 8.0613, 32.0392

Details

The XYZ color **28.6098, 26.7974, 3.6645** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **10.3840, 6.4165, 47.7045**, and the grayscale version is **22.4377, 23.6062, 25.7071**.

A 20% lighter version of the original color is **56.9261, 54.6671, 13.1817**, and **11.9194, 10.6238, 1.4224** is the 20% darker color. If you saturate the color by 10%, you get **28.6100, 26.7980, 3.6646**, and if you desaturate by 10%, it is **29.4980, 28.3900, 4.5282**.

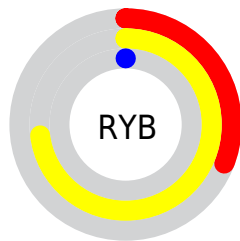
Distribution



Red (73%)

Green (51%)

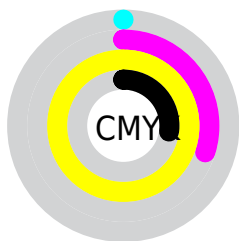
Blue (0%)



Red (31%)

Yellow (73%)

Blue (0%)

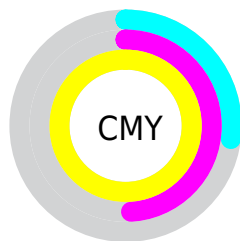


Cyan (0%)

Magenta (30%)

Yellow (100%)

Black (27%)



Cyan (27%)

Magenta (49%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.6098, 26.7974, 3.6645 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 28.6098, 26.7974, 3.6645 by changing the saturation by 10% instead.

■ 28.6098, 26.7974,
3.6645

■ 28.6098, 26.7974,
3.6645

287.3969,
286.6748, 144.4199

■ 18.9286, 17.4211,
1.4432

■ 56.8584, 54.5586,
13.2283

■ 11.7224, 10.5352,
0.1750

■ 76.1566, 73.7123,
21.4078

■ 6.6258, 5.7552,
0.0000

■ 99.3911, 96.8939,
32.4105

■ 3.2734, 2.6968,
0.0000

■ 126.9274,
124.4879, 46.6549

■ 1.3000, 0.9756,
0.0000

■ 159.1308,
156.8785, 64.5594


■ 0.1832, 0.0000,
0.0000


■ 196.3666,


■ 0.0000, 0.0000,


194.4503, 86.5428


0.0000


 239.0002,
237.5876, 113.0234


 28.6098, 26.7974,
3.6645


 28.6098, 26.7974,
3.6645


 28.6100, 26.7980,
3.6646

 29.4980, 28.3900,
4.5282

 30.5372, 30.1078,
5.9860

 31.7690, 31.9698,
8.2517

 33.2143, 33.9850,
11.4315

 34.8905, 36.1616,
15.6154

■ 36.8133, 38.5066,
20.8824

■ 38.9967, 41.0265,
27.3038

■ 41.4535, 43.7274,
34.9445

■ 44.1958, 46.6149,
43.8648

Harmonies

Analogous

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



37.1481, 26.7974, 6.8553



28.6098, 26.7974, 3.6645



20.7774, 26.7974, 4.0622

Triad

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



28.6098, 26.7974, 3.6645



13.4016, 26.7974, 46.0244



39.0589, 26.7974, 69.4443

Complementary

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



28.6098, 26.7974, 3.6645



10.3840, 6.4165, 47.7045

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.



30.8210, 26.7974, 94.9177



28.6098, 26.7974, 3.6645



16.5386, 26.7974, 77.1734

Square

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



28.6098, 26.7974, 3.6645



13.0561, 26.7974, 21.3579



22.5690, 26.7974, 98.3200



43.9777, 26.7974, 38.7056

Rectangle

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



28.6098, 26.7974, 3.6645



16.9130, 26.7974, 6.4118



22.5690, 26.7974, 98.3200



36.5144, 26.7974, 79.4734

Sweetspot

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



28.6104, 26.7988, 3.6650



69.6407, 73.2505, 48.2881



21.2098, 10.8515, 4.7317



14.9606, 15.7028, 9.5135



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



28.6104, 26.7988, 3.6650



51.0240, 47.5619, 6.4911



30.2746, 41.9866, 6.5088



10.0745, 10.6250, 10.0965



19.7782, 18.5952, 2.5468



0.8294, 0.8377, 0.1180

Inverse Universe

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



10.3840, 6.4165, 47.7045



18.4171, 11.1309, 85.3792



9.7473, 3.9889, 47.2695



9.2432, 9.6787, 12.0532



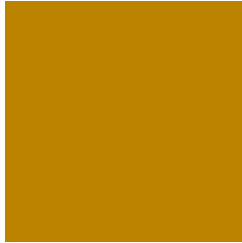
7.2104, 4.5326, 32.8877



0.3415, 0.2957, 1.3079

Previews

White Background



This preview shows how the XYZ color 28.6098, 26.7974, 3.6645 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 28.6098, 26.7974, 3.6645 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 28.6098, 26.7974, 3.6645

Background



This preview shows how black text looks on a background with the XYZ color 28.6098, 26.7974, 3.6645.



This preview shows how white text looks on a background with the XYZ color 28.6098, 26.7974,

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

28.6098, 26.7974, 3.6645

Protanopia

24.2366, 26.8461, 4.2522

Deuteranopia

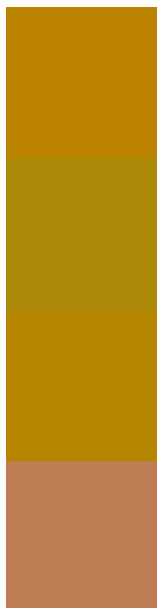
27.2544, 26.9117, 3.7580



Tritanopia

33.0486, 26.8952, 24.9222

Trichromacy



Original Color

28.6098, 26.7974, 3.6645

Protanomaly

25.7099, 26.7405, 4.0361

Deuteranomaly

27.8165, 26.9953, 3.7445

Tritanomaly

30.3808, 26.3681, 11.6719

Monochromacy



Original Color

28.6098, 26.7974, 3.6645

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

23.0278, 23.9307, 11.9997

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.6098, 26.7974, 3.6645 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(187, 131, 0)` looks like.

```
.text, #text, p{  
    color:rgb(187, 131, 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(187, 131, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 131, 0) }
```

Border

The CSS property to change the border of an element to XYZ 28.6098, 26.7974, 3.6645 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(187, 131, 0) }
```


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

```
.border{ border-color:rgb(187, 131, 0) }
```

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

Here you see how a box with a 4 pixel rgb(187, 131, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 131, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 131, 0);  
box-shadow:4px 4px 4px 4px rgb(187, 131,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 28.6098, 26.7974, 3.6645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 131, 0) }
```

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

```
.background{ background-color: rgb(187,  
131, 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