

Converting Colors

XYZ(27.9904, 28.0307, 3.9641)

Have a look what the booklet for
XYZ(27.9904, 28.0307, 3.9641)
contains.

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Color

**XYZ(28.0605, 28.1707,
3.9873)**

Conversions

Conversions Part 1

Format	Color
Hex	B48B01
RGB	180, 139, 1
RGB Percent	71%, 55%, 0%
CMY	0.2941, 0.4549, 0.9960
CMYK	0.00, 0.23, 0.99, 0.29
HSL	46°, 99%, 35%
HSV	46°, 99%, 71%
XYZ	28.0605, 28.1707, 3.9873
YIQ	135.5270, 68.7340, -34.2260

Conversions

Conversions Part 2

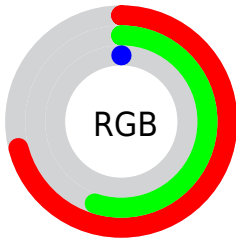
Format	Color
R_{YB}	54, 180, 1
Decimal	11832065
CIE Lab	60.04, 5.16, 64.69
CIE LCh	60, 64.898, 85.438
Yxy	28.1707, 0.4660, 0.4678
Android (android.graphics.Color)	4290022145 (0xFFB48B01)
YUV	135.5270, -66.3218, 39.0028
Hunter-Lab	53.0761, 1.4870, 32.6991

Details

The XYZ color **28.0605, 28.1707, 3.9873** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **9.0790, 4.9582, 43.6582**, and the grayscale version is **23.4479, 24.6690, 26.8646**.

A 20% lighter version of the original color is **55.9221, 56.6795, 13.9541**, and **11.5984, 11.2823, 1.5664** is the 20% darker color. If you saturate the color by 10%, you get **28.0220, 28.1028, 3.9475**, and if you desaturate by 10%, it is **28.7815, 29.4335, 4.7809**.

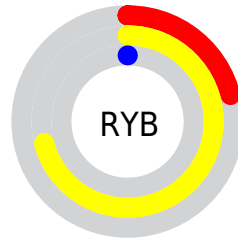
Distribution



Red (71%)

Green (55%)

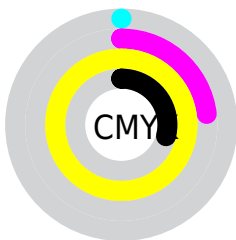
Blue (0%)



Red (21%)

Yellow (71%)

Blue (0%)

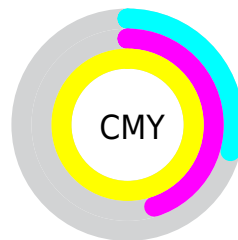


Cyan (0%)

Magenta (23%)

Yellow (99%)

Black (29%)



Cyan (29%)

Magenta (45%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.0605, 28.1707, 3.9873 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 28.0605, 28.1707, 3.9873 by changing the saturation by 10% instead.

■ 28.0605, 28.1707,
3.9873

■ 28.0605, 28.1707,
3.9873

284.8307,
293.2817, 148.0841

■ 18.5120, 18.4544,
1.6184

■ 55.9890, 56.7569,
13.9805

■ 11.4201, 11.2767,
0.3039

■ 75.0996, 76.3955,
22.4418

■ 6.4195, 6.2533,
0.0000

■ 98.1284, 100.1103,
33.7710

■ 3.1449, 2.9997,
0.0000

■ 125.4406,
128.2858, 48.3866

■ 1.2308, 1.1316,
0.0000

■ 157.4015,
161.3063, 66.7072


■ 0.1305, 0.0047,
0.0000


■ 194.3766,


■ 0.0000, 0.0000,


199.5561, 89.1513


0.0000


 236.7313,
243.4198, 116.1374


 28.0605, 28.1707,
3.9873


 28.0605, 28.1707,
3.9873


 28.0220, 28.1028,
3.9475

 28.7815, 29.4335,
4.7809

 29.6290, 30.7822,
6.1312

 30.6388, 32.2326,
8.2226

 31.8292, 33.7924,
11.1504

 33.2158, 35.4682,
14.9956

■ 34.8123, 37.2658,
19.8296

■ 36.6312, 39.1907,
25.7166

■ 38.6839, 41.2476,
32.7156

■ 40.9808, 43.4413,
40.8809

Harmonies

Analogous

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



36.8495, 28.1707, 6.3757



28.0605, 28.1707, 3.9873



20.5085, 28.1707, 5.1870

Triad

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



28.0605, 28.1707, 3.9873



14.8278, 28.1707, 54.6926



42.1246, 28.1707, 64.4487

Complementary

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



28.0605, 28.1707, 3.9873



9.0790, 4.9582, 43.6582

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.



34.2043, 28.1707, 92.9332



28.0605, 28.1707, 3.9873



18.7283, 28.1707, 85.5517

Square

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



28.0605, 28.1707, 3.9873



13.8446, 28.1707, 27.1908



25.5302, 28.1707, 102.1672



45.9645, 28.1707, 34.4407

Rectangle

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



28.0605, 28.1707, 3.9873



16.9670, 28.1707, 8.5278



25.5302, 28.1707, 102.1672



39.7810, 28.1707, 75.0207

Sweetspot

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



28.0611, 28.1721, 3.9878



66.0459, 70.6748, 45.3868



19.2652, 9.8980, 3.1591



13.9724, 14.9586, 8.8204



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



28.0611, 28.1721, 3.9878



50.6261, 50.5883, 7.0962



25.8846, 37.5718, 5.9169



9.0288, 9.5700, 9.0239



19.6103, 19.7191, 2.7726



0.6575, 0.7015, 0.1007

Inverse Universe

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



9.0790, 4.9582, 43.6582



16.2444, 8.5885, 79.0962



9.5034, 3.9638, 43.4439



8.1947, 8.5355, 10.7219



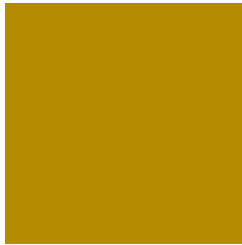
6.3521, 3.5045, 30.4786



0.2443, 0.1992, 0.9738

Previews

White Background



This preview shows how the XYZ color 28.0605, 28.1707, 3.9873 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 28.0605, 28.1707, 3.9873 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 28.0605, 28.1707, 3.9873

Background



This preview shows how black text looks on a background with the XYZ color 28.0605, 28.1707, 3.9873.



This preview shows how white text looks on a background with the XYZ color 28.0605, 28.1707,

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

28.0605, 28.1707, 3.9873

Protanopia

25.4845, 28.1630, 4.3513

Deuteranopia

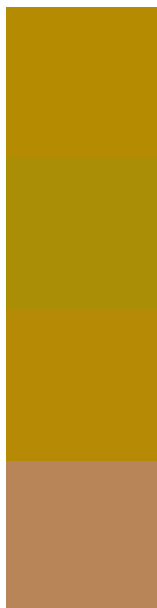
28.6607, 28.2618, 4.1742



Tritanopia

33.0040, 28.1294, 28.1161

Trichromacy



Original Color

28.0605, 28.1707, 3.9873

Protanomaly

26.4329, 28.2041, 4.2231

Deuteranomaly

28.4073, 28.1330, 4.0766

Tritanomaly

29.9579, 27.6867, 13.2163

Monochromacy



Original Color

28.0605, 28.1707, 3.9873

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

23.6149, 25.2548, 12.6469

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.0605, 28.1707, 3.9873 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(180, 139, 1)` looks like.

```
.text, #text, p{  
    color:rgb(180, 139, 1)  
}
```

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(180, 139, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 139, 1) }
```

Border

The CSS property to change the border of an element to XYZ 28.0605, 28.1707, 3.9873 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(180, 139, 1) }
```


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

```
.border{ border-color:rgb(180, 139, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 139, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 139, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 139, 1);  
box-shadow:4px 4px 4px 4px rgb(180, 139,  
1) }
```

Background

The CSS property to change the background color of an element to XYZ 28.0605, 28.1707, 3.9873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 139, 1) }
```

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

```
.background{ background-color: rgb(180,  
139, 1) }
```

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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