

Converting Colors

XYZ(28.7214, 30.5269, 4.3785)

Have a look what the booklet for
XYZ(28.7214, 30.5269, 4.3785)
contains.

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Color

**XYZ(28.7214, 30.5269,
4.3785)**

Conversions

Conversions Part 1

Format	Color
Hex	B19400
RGB	177, 148, 0
RGB Percent	69%, 58%, 0%
CMY	0.3059, 0.4196, 1.0000
CMYK	0.00, 0.16, 1.00, 0.31
HSL	50°, 100%, 35%
HSV	50°, 100%, 69%
XYZ	28.7214, 30.5269, 4.3785
YIQ	139.7990, 64.7920, -39.8800

Conversions

Conversions Part 2

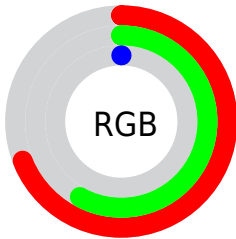
Format	Color
RYB	35, 177, 0
Decimal	11637760
CIELab	62.11, -1.14, 66.15
CIELCh	62, 66.156, 90.987
Yxy	30.5269, 0.4514, 0.4798
Android (android.graphics.Color)	4289827840 (0xFFB19400)
YUV	139.7990, -68.9209, 32.6253
Hunter-Lab	55.2512, -3.8992, 33.9772

Details

The XYZ color **28.7214, 30.5269, 4.3785** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **8.3755, 4.0535, 41.9357**, and the grayscale version is **25.0919, 26.3987, 28.7481**.

A 20% lighter version of the original color is **57.2153, 60.7135, 14.8342**, and **12.1134, 12.7284, 1.8184** is the 20% darker color. If you saturate the color by 10%, you get **28.7217, 30.5277, 4.3786**, and if you desaturate by 10%, it is **29.2894, 31.4923, 5.0949**.

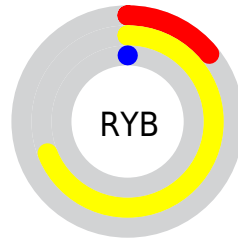
Distribution



Red (69%)

Green (58%)

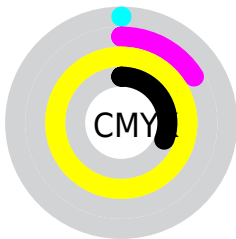
Blue (0%)



Red (14%)

Yellow (69%)

Blue (0%)

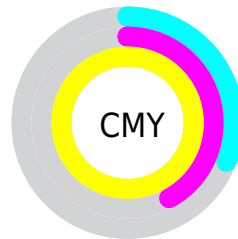


Cyan (0%)

Magenta (16%)

Yellow (100%)

Black (31%)



Cyan (31%)

Magenta (42%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.7214, 30.5269, 4.3785 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 28.7214, 30.5269, 4.3785 by changing the saturation by 10% instead.

■ 28.7214, 30.5269,
4.3785

■ 28.7214, 30.5269,
4.3785

287.9161,
304.3528, 152.3438

■ 19.0134, 20.2389,
1.8352

■ 57.0348, 60.4944,
14.8737

■ 11.7840, 12.5688,
0.4510

■ 76.3709, 80.9427,
23.6627

■ 6.6679, 7.1323,
0.0000

■ 99.6470, 105.5466,
35.3706

■ 3.2998, 3.5450,
0.0000

■ 127.2286,
134.6904, 50.4161

■ 1.3142, 1.4224,
0.0000

■ 159.4809,
168.7585, 69.2176


■ 0.1938, 0.2332,
0.0000


■ 196.7694,


■ 0.0000, 0.0000,


208.1353, 92.1937


0.0000


 239.4593,
253.2053, 119.7629


 28.7214, 30.5269,
4.3785


 28.7214, 30.5269,
4.3785


 28.7217, 30.5277,
4.3786

 29.2894, 31.4923,
5.0949

 29.9642, 32.5175,
6.3196

 30.7835, 33.6190,
8.2483

 31.7648, 34.8039,
10.9733

 32.9233, 36.0785,
14.5727

■ 34.2718, 37.4479,
19.1154

■ 35.8224, 38.9172,
24.6633

■ 37.5859, 40.4907,
31.2731

■ 39.5722, 42.1726,
38.9974

Harmonies

Analogous

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



38.1266, 30.5269, 6.1683



28.7214, 30.5269, 4.3785



21.0697, 30.5269, 6.4468

Triad

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



28.7214, 30.5269, 4.3785



16.6829, 30.5269, 65.3747



46.6906, 30.5269, 63.1082

Complementary

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



28.7214, 30.5269, 4.3785



8.3755, 4.0535, 41.9357

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.



38.7419, 30.5269, 95.4028



28.7214, 30.5269, 4.3785



21.4845, 30.5269, 97.1164

Square

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



28.7214, 30.5269, 4.3785



15.0530, 30.5269, 34.0892



29.3104, 30.5269, 110.2139



49.6970, 30.5269, 32.4023

Rectangle

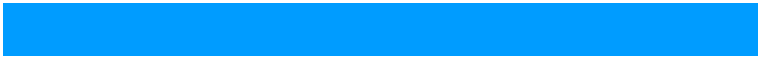
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



28.7214, 30.5269, 4.3785



17.6506, 30.5269, 10.9549



29.3104, 30.5269, 110.2139



44.4375, 30.5269, 74.5947

Sweetspot

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



28.7221, 30.5284, 4.3791



64.0037, 69.5586, 43.6094



18.3596, 9.4386, 2.0499



13.6153, 14.8362, 8.5262



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



28.7221, 30.5284, 4.3791



51.3011, 54.3968, 7.7958



23.1939, 35.2960, 5.5907



9.0762, 9.6649, 9.0397



20.8475, 22.1937, 3.1850



0.6875, 0.7613, 0.1107

Inverse Universe

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



8.3755, 4.0535, 41.9357



14.8931, 7.0458, 75.0703



9.7400, 4.1046, 41.8737



8.1507, 8.4477, 10.7073



6.0988, 2.9980, 30.3942



0.2263, 0.1631, 0.9678

Previews

White Background



This preview shows how the XYZ color 28.7214, 30.5269, 4.3785 looks on a white background.

Color Contrast Check

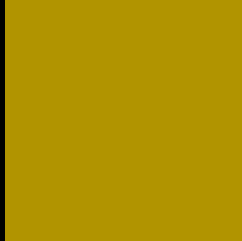
Large Text (above 18pt) WCAG AA × Fail

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 28.7214, 30.5269, 4.3785 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 ✓ Pass

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

XYZ 28.7214, 30.5269, 4.3785

Background



This preview shows how black text looks on a background with the XYZ color 28.7214, 30.5269, 4.3785.

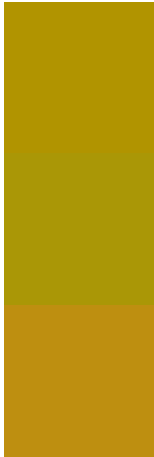


This preview shows how white text looks on a background with the XYZ color 28.7214, 30.5269,

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

28.7214, 30.5269, 4.3785

Protanopia

27.6770, 30.6924, 4.6378

Deuteranopia

31.1512, 30.6295, 4.7604



Tritanopia

34.4414, 30.6294, 32.1138

Trichromacy



Original Color

28.7214, 30.5269, 4.3785

Protanomaly

28.1618, 30.7057, 4.5574

Deuteranomaly

30.1878, 30.5870, 4.6000

Tritanomaly

30.9848, 30.0992, 14.7663

Monochromacy



Original Color

28.7214, 30.5269, 4.3785

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

24.7625, 27.1385, 13.3843

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.7214, 30.5269, 4.3785 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(177, 148, 0)` looks like.

```
.text, #text, p{  
    color:rgb(177, 148, 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(177, 148, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 148, 0) }
```

Border

The CSS property to change the border of an element to XYZ 28.7214, 30.5269, 4.3785 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(177, 148, 0) }
```


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

```
.border{ border-color:rgb(177, 148, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 148, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 148, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 148, 0);  
box-shadow:4px 4px 4px 4px rgb(177, 148,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 28.7214, 30.5269, 4.3785 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 148, 0) }
```

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

```
.background{ background-color: rgb(177,  
148, 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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