

Converting Colors

XYZ(28.7200, 30.0141, 4.2796)

Have a look what the booklet for
XYZ(28.7200, 30.0141, 4.2796)
contains.

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Color

**XYZ(28.6390, 30.0227,
4.2855)**

Conversions

Conversions Part 1

Format	Color
Hex	B29200
RGB	178, 146, 0
RGB Percent	70%, 57%, 0%
CMY	0.3020, 0.4274, 1.0000
CMYK	0.00, 0.18, 1.00, 0.30
HSL	49°, 100%, 35%
HSV	49°, 100%, 70%
XYZ	28.6390, 30.0227, 4.2855
YIQ	138.9240, 65.9380, -38.6220

Conversions

Conversions Part 2

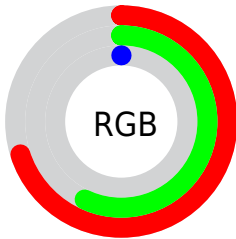
Format	Color
RYB	39, 178, 0
Decimal	11702784
CIELab	61.67, 0.40, 65.89
CIELCh	62, 65.890, 89.649
Yxy	30.0227, 0.4550, 0.4770
Android (android.graphics.Color)	4289892864 (0xFFB29200)
YUV	138.9240, -68.4895, 34.2697
Hunter-Lab	54.7930, -2.5899, 33.7179

Details

The XYZ color **28.6390, 30.0227, 4.2855** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **8.5527, 4.2478, 42.4884**, and the grayscale version is **24.7501, 26.0391, 28.3565**.

A 20% lighter version of the original color is **57.0839, 59.9536, 14.6944**, and **11.9286, 12.3588, 1.7568** is the 20% darker color. If you saturate the color by 10%, you get **28.6393, 30.0235, 4.2857**, and if you desaturate by 10%, it is **29.2475, 31.0676, 5.0193**.

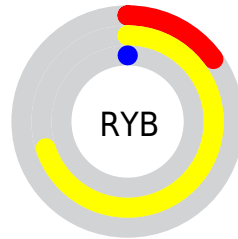
Distribution



Red (70%)

Green (57%)

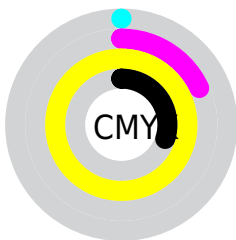
Blue (0%)



Red (15%)

Yellow (70%)

Blue (0%)

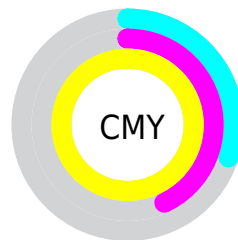


Cyan (0%)

Magenta (18%)

Yellow (100%)

Black (30%)



Cyan (30%)

Magenta (43%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.6390, 30.0227, 4.2855 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 28.6390, 30.0227, 4.2855 by changing the saturation by 10% instead.

■ 28.6390, 30.0227,
4.2855

■ 28.6390, 30.0227,
4.2855

287.5329,
302.0102, 151.3477

■ 18.9508, 19.8558,
1.7832

■ 56.9046, 59.6981,
14.6630

■ 11.7385, 12.2903,
0.4169

■ 76.2127, 79.9754,
23.3754

■ 6.6368, 6.9417,
0.0000

■ 99.4581, 104.3916,
34.9948

■ 3.2803, 3.4257,
0.0000

■ 127.0062,
133.3311, 49.9400

■ 1.3037, 1.3578,
0.0000

■ 159.2224,
167.1783, 68.6293

■ 0.1860, 0.1853,
0.0000

■ 196.4720,

■ 0.0000, 0.0000,

206.3177, 91.4813

0.0000

239.1204,
251.1335, 118.9146

28.6390, 30.0227,
4.2855

28.6390, 30.0227,
4.2855

28.6393, 30.0235,
4.2857

29.2475, 31.0676,
5.0193

29.9665, 32.1778,
6.2696

30.8342, 33.3699,
8.2338

31.8685, 34.6513,
11.0055

33.0845, 36.0281,
14.6640

■ 34.4956, 37.5060,
19.2790

■ 36.1139, 39.0898,
24.9136

■ 37.9503, 40.7841,
31.6251

■ 40.0151, 42.5933,
39.4667

Harmonies

Analogous

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



37.9234, 30.0227, 6.2283



28.6390, 30.0227, 4.2855



20.9864, 30.0227, 6.1310

Triad

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



28.6390, 30.0227, 4.2855



16.2553, 30.0227, 62.8394



45.6833, 30.0227, 63.6341

Complementary

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



28.6390, 30.0227, 4.2855



8.5527, 4.2478, 42.4884

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.



37.7078, 30.0227, 95.1090



28.6390, 30.0227, 4.2855



20.8411, 30.0227, 94.5079

Square

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



28.6390, 30.0227, 4.2855



14.7863, 30.0227, 32.3949



28.4326, 30.0227, 108.5716



48.9162, 30.0227, 32.9861

Rectangle

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



28.6390, 30.0227, 4.2855



17.5255, 30.0227, 10.3441



28.4326, 30.0227, 108.5716



43.3972, 30.0227, 74.9393

Sweetspot

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



28.6397, 30.0242, 4.2861



65.3269, 70.7315, 44.5950



18.6297, 9.5730, 2.2786



14.1936, 15.4009, 8.8941



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.



28.6397, 30.0242, 4.2861



51.7815, 54.1373, 7.7204



23.8950, 35.9517, 5.6803



9.0646, 9.6417, 9.0358



20.5336, 21.5657, 3.0804



0.6800, 0.7463, 0.1082

Inverse Universe

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



8.5527, 4.2478, 42.4884



15.3904, 7.4647, 77.0108



9.6878, 4.0661, 42.3935



8.1614, 8.4691, 10.7109



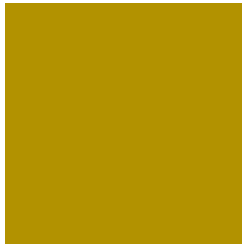
6.1533, 3.1070, 30.4124



0.2307, 0.1719, 0.9693

Previews

White Background



This preview shows how the XYZ color 28.6390, 30.0227, 4.2855 looks on a white background.

Color Contrast Check

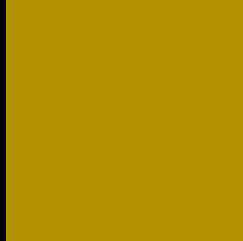
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.6390, 30.0227, 4.2855 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 28.6390, 30.0227, 4.2855

Background



This preview shows how black text looks on a background with the XYZ color 28.6390, 30.0227, 4.2855.



This preview shows how white text looks on a background with the XYZ color 28.6390, 30.0227,

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

28.6390, 30.0227, 4.2855

Protanopia

27.0931, 30.1529, 4.5931

Deuteranopia

30.5904, 29.9003, 4.5745



Tritanopia

34.2422, 30.1227, 31.2036

Trichromacy



Original Color

28.6390, 30.0227, 4.2855

Protanomaly

27.7826, 30.2743, 4.4941

Deuteranomaly

29.8794, 29.9789, 4.4701

Tritanomaly

30.8823, 29.6138, 14.4443

Monochromacy



Original Color

28.6390, 30.0227, 4.2855

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

24.5713, 26.8229, 13.1148

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.6390, 30.0227, 4.2855 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(178, 146, 0)` looks like.

```
.text, #text, p{  
    color:rgb(178, 146, 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(178, 146, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 146, 0) }
```

Border

The CSS property to change the border of an element to XYZ 28.6390, 30.0227, 4.2855 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(178, 146, 0) }
```


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

```
.border{ border-color:rgb(178, 146, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 146, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 146, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 146, 0);  
box-shadow:4px 4px 4px 4px rgb(178, 146,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 28.6390, 30.0227, 4.2855 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 146, 0) }
```

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

```
.background{ background-color: rgb(178,  
146, 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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