

Converting Colors

XYZ(28.7640, 16.2744, 1.6252)

Have a look what the booklet for
XYZ(28.7640, 16.2744, 1.6252)
contains.

XYZ(28.7086, 16.2501, 1.6235)	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(28.7086, 16.2501,
1.6235)**

Conversions

Conversions Part 1

Format	Color
Hex	D62E00
RGB	214, 46, 0
RGB Percent	84%, 18%, 0%
CMY	0.1608, 0.8196, 1.0000
CMYK	0.00, 0.78, 1.00, 0.16
HSL	13°, 100%, 42%
HSV	13°, 100%, 84%
XYZ	28.7086, 16.2501, 1.6235
YIQ	90.9880, 114.8940, 21.3100

Conversions

Conversions Part 2

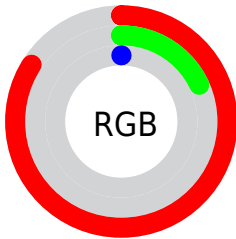
Format	Color
RYB	214, 59, 0
Decimal	14036480
CIELab	47.30, 62.63, 59.91
CIELCh	47, 86.671, 43.731
Yxy	16.2501, 0.6163, 0.3488
Android (android.graphics.Color)	4292226560 (0xFFD62E00)
YUV	90.9880, -44.8571, 107.8815
Hunter-Lab	40.3114, 56.5775, 25.8301

Details

The XYZ color **28.7086, 16.2501, 1.6235** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **26.1382, 32.8562, 68.5823**, and the grayscale version is **10.0231, 10.5451, 11.4836**.

A 20% lighter version of the original color is **47.1326, 31.8635, 7.5370**, and **12.3944, 6.3896, 0.5800** is the 20% darker color. If you saturate the color by 10%, you get **28.7088, 16.2509, 1.6236**, and if you desaturate by 10%, it is **29.6377, 17.8860, 2.6195**.

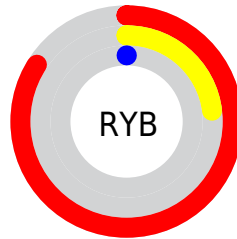
Distribution



Red (84%)

Green (18%)

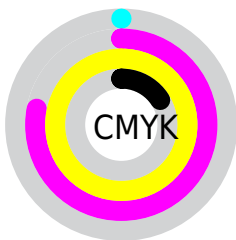
Blue (0%)



Red (84%)

Yellow (23%)

Blue (0%)

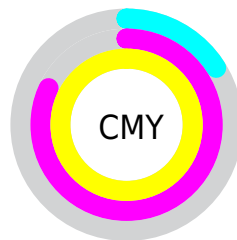


Cyan (0%)

Magenta (78%)

Yellow (100%)

Black (16%)



Cyan (16%)


Magenta (82%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 28.7086, 16.2501, 1.6235 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 28.7086, 16.2501, 1.6235 by changing the saturation by 10% instead.

 28.7086, 16.2501,
1.6235


 28.7086, 16.2501,
1.6235


 287.8566,
230.8130, 116.2257


 19.0037, 9.7013,
0.3075


 57.0146, 37.0318,
7.9833


 11.7769, 5.2014,
0.0000


 76.3463, 52.0336,
14.0020


 6.6631, 2.3659,
0.0000


 99.6177, 70.6218,
22.4713

 3.2968, 0.8083,
0.0000

 127.1940, 93.1808,
33.8098

 1.3126, 0.0000,
0.0000

 159.4408,
120.0950, 48.4359

 0.1926, 0.0000,
0.0000


 196.7232,


 0.0000, 0.0000,


151.7489, 66.7682


0.0000


 239.4067,
188.5267, 89.2253


 28.7086, 16.2501,
1.6235


 28.7086, 16.2501,
1.6235


 28.7088, 16.2509,
1.6236

 29.6377, 17.8860,
2.6195

 31.0041, 20.1496,
4.5217

 32.8830, 23.1093,
7.6082

 35.3236, 26.8184,
12.0351

 38.3690, 31.3249,
17.9347

■ 42.0579, 36.6725,
25.4231

■ 46.4255, 42.9016,
34.6048

■ 51.5044, 50.0500,
45.5754

■ 57.3251, 58.1533,
58.4232

Harmonies

Analogous

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



34.6088, 16.2501, 9.4553



28.7086, 16.2501, 1.6235



19.9463, 16.2501, 0.0000

Triad

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



28.7086, 16.2501, 1.6235



5.1865, 16.2501, 8.3172



19.2091, 16.2501, 98.3529

Complementary

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



28.7086, 16.2501, 1.6235



26.1382, 32.8562, 68.5823

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.



11.6780, 16.2501, 96.8449



28.7086, 16.2501, 1.6235



5.1055, 16.2501, 29.7042

Square

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



28.7086, 16.2501, 1.6235



7.3413, 16.2501, 1.3696



7.0642, 16.2501, 65.7566



28.0176, 16.2501, 68.9741

Rectangle

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



28.7086, 16.2501, 1.6235



14.5070, 16.2501, 0.0000



7.0642, 16.2501, 65.7566



16.4231, 16.2501, 101.8947

Sweetspot

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



28.7089, 16.2511, 1.6237



68.8296, 63.5014, 51.0124



35.1012, 17.2440, 40.1066



14.1162, 12.7162, 9.6135



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.



28.7089, 16.2511, 1.6237



42.5980, 23.9759, 2.3827



38.6060, 36.0452, 4.9227



12.6375, 12.8493, 12.9748



17.4152, 9.9477, 1.0022



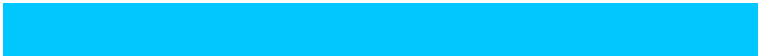
1.1122, 0.7235, 0.0810

Inverse Universe

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



26.1382, 32.8562, 68.5823



38.7445, 48.6090, 101.9482



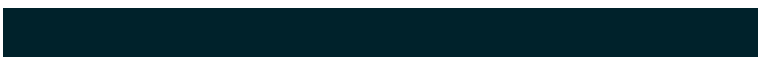
13.9824, 8.5446, 64.5303



12.5551, 13.6336, 15.9073



15.8776, 20.0169, 41.4800



1.0154, 1.3227, 2.5211

Previews

White Background



This preview shows how the XYZ color 28.7086, 16.2501, 1.6235 looks on a white 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

Black 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

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

XYZ 28.7086, 16.2501, 1.6235

Background



This preview shows how black text looks on a background with the XYZ color 28.7086, 16.2501, 1.6235.



This preview shows how white text looks on a background with the XYZ color 28.7086, 16.2501,

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

28.7086, 16.2501, 1.6235

Protanopia

14.8330, 16.3925, 3.3020

Deuteranopia

16.5854, 16.3550, 2.2827



Tritanopia

29.0315, 16.1983, 3.8820

Trichromacy



Original Color

28.7086, 16.2501, 1.6235

Protanomaly

17.9640, 14.5531, 2.3524

Deuteranomaly

19.6107, 14.9320, 1.8486

Tritanomaly

28.8301, 16.1766, 2.6398

Monochromacy



Original Color

28.7086, 16.2501, 1.6235

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

13.4331, 10.5719, 5.3356

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.7086, 16.2501, 1.6235 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(214, 46, 0)` looks like.

```
.text, #text, p{  
    color:rgb(214, 46, 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(214, 46, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 46, 0) }
```

Border

The CSS property to change the border of an element to XYZ 28.7086, 16.2501, 1.6235 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(214, 46, 0) }
```


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

```
.border{ border-color:rgb(214, 46, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 46, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 46, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 46, 0);  
box-shadow:4px 4px 4px 4px rgb(214, 46, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 28.7086, 16.2501, 1.6235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 46, 0) }
```

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

```
.background{ background-color: rgb(214, 46,  
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