

Converting Colors

XYZ(29.6883, 16.4309, 1.3356)

Have a look what the booklet for
XYZ(29.6883, 16.4309, 1.3356)
contains.

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Color

**XYZ(29.6722, 16.4230,
1.6061)**

Conversions

Conversions Part 1

Format	Color
Hex	DA2800
RGB	218, 40, 0
RGB Percent	85%, 16%, 0%
CMY	0.1451, 0.8431, 1.0000
CMYK	0.00, 0.82, 1.00, 0.15
HSL	11°, 100%, 43%
HSV	11°, 100%, 85%
XYZ	29.6722, 16.4230, 1.6061
YIQ	88.6620, 118.9280, 25.2960

Conversions

Conversions Part 2

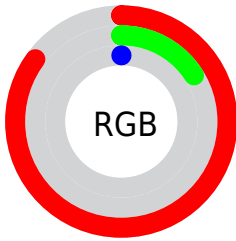
Format	Color
RYB	218, 49, 0
Decimal	14297088
CIELab	47.52, 65.37, 60.48
CIELCh	48, 89.057, 42.771
Yxy	16.4230, 0.6220, 0.3443
Android (android.graphics.Color)	4292487168 (0xFFDA2800)
YUV	88.6620, -43.7104, 113.4294
Hunter-Lab	40.5253, 59.7766, 26.0179

Details

The XYZ color **29.6722, 16.4230, 1.6061** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **28.5722, 36.8968, 71.9449**, and the grayscale version is **9.4976, 9.9922, 10.8816**.

A 20% lighter version of the original color is **46.8288, 31.2559, 7.4357**, and **13.1369, 6.7723, 0.6148** is the 20% darker color. If you saturate the color by 10%, you get **29.6724, 16.4238, 1.6062**, and if you desaturate by 10%, it is **30.5599, 17.9700, 2.6070**.

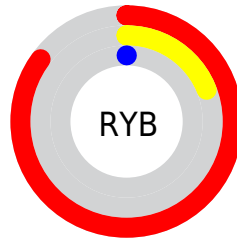
Distribution



Red (85%)

Green (16%)

Blue (0%)



Red (85%)

Yellow (19%)

Blue (0%)

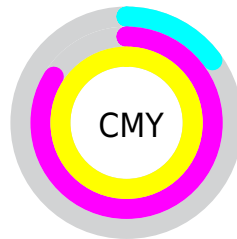


Cyan (0%)

Magenta (82%)

Yellow (100%)

Black (15%)



Cyan (15%)


Magenta (84%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 29.6722, 16.4230, 1.6061 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 29.6722, 16.4230, 1.6061 by changing the saturation by 10% instead.


 29.6722, 16.4230,
1.6061


 29.6722, 16.4230,
1.6061


 292.3108,
231.8250, 115.9249


 19.7367, 9.8240,
0.2952


 58.5336, 37.3310,
7.9329


 12.3110, 5.2824,
0.0000


 78.1902, 52.4088,
13.9287

 7.0295, 2.4139,
0.0000


 101.8180, 71.0816,
22.3708

 3.5271, 0.8330,
0.0000

 129.7822, 93.7338,
33.6778

 1.4382, 0.0000,
0.0000

 162.4482,
120.7499, 48.2681


 0.2832, 0.0000,
0.0000


 200.1815,


 0.0000, 0.0000,


152.5142, 66.5604


0.0000


 243.3472,
189.4111, 88.9731


 29.6722, 16.4230,
1.6061


 29.6722, 16.4230,
1.6061


 29.6724, 16.4238,
1.6062

 30.5599, 17.9700,
2.6070

 31.9183, 20.2000,
4.5606

 33.8297, 23.1929,
7.7561

 36.3492, 27.0117,
12.3583

 39.5251, 31.7125,
18.5067

■ 43.4004, 37.3464,
26.3238

■ 48.0144, 43.9605,
35.9198

■ 53.4034, 51.5989,
47.3953

■ 59.6014, 60.3028,
60.8437

Harmonies

Analogous

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



35.6737, 16.4230, 9.8689



29.6722, 16.4230, 1.6061



20.5695, 16.4230, 0.0000

Triad

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



29.6722, 16.4230, 1.6061



5.1133, 16.4230, 7.8236



19.2242, 16.4230, 103.0761

Complementary

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



29.6722, 16.4230, 1.6061



28.5722, 36.8968, 71.9449

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.



11.5189, 16.4230, 100.2782



29.6722, 16.4230, 1.6061



4.9690, 16.4230, 29.3611

Square

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



29.6722, 16.4230, 1.6061



7.3829, 16.4230, 1.1713



6.8859, 16.4230, 66.8690



28.4050, 16.4230, 72.8183

Rectangle

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



29.6722, 16.4230, 1.6061



14.8848, 16.4230, 0.0000



6.8859, 16.4230, 66.8690



16.3575, 16.4230, 106.4167

Sweetspot

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



29.6725, 16.4240, 1.6063



68.2950, 62.4322, 50.8342



36.9524, 18.1210, 43.6870



13.9931, 12.4702, 9.5725



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.



29.6725, 16.4240, 1.6063



42.2488, 23.2776, 2.2663



39.6554, 36.3897, 4.9339



13.2484, 13.4362, 13.6208



17.8341, 9.9537, 0.9813



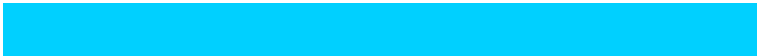
1.2137, 0.7614, 0.0830

Inverse Universe

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



28.5722, 36.8968, 71.9449



40.6531, 52.4263, 102.5844



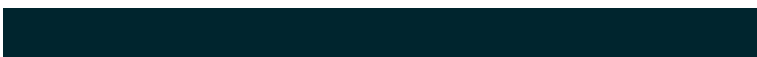
14.7851, 9.3225, 67.3492



13.2311, 14.4019, 16.7346



17.1910, 22.2514, 43.1273



1.1676, 1.5494, 2.8120

Previews

White Background



This preview shows how the XYZ color 29.6722, 16.4230, 1.6061 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 29.6722, 16.4230, 1.6061

Background



This preview shows how black text looks on a background with the XYZ color 29.6722, 16.4230, 1.6061.



This preview shows how white text looks on a background with the XYZ color 29.6722, 16.4230,

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

29.6722, 16.4230, 1.6061

Protanopia

15.1059, 16.6984, 3.4042

Deuteranopia

16.6903, 16.5648, 2.3176



Tritanopia

29.9250, 16.4190, 3.2610

Trichromacy



Original Color

29.6722, 16.4230, 1.6061

Protanomaly

18.2073, 14.4339, 2.3567

Deuteranomaly

19.6708, 14.7326, 1.8069

Tritanomaly

29.7936, 16.4183, 2.4094

Monochromacy



Original Color

29.6722, 16.4230, 1.6061

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

13.1451, 10.0361, 5.1152

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6722, 16.4230, 1.6061 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(218, 40, 0)` looks like.

```
.text, #text, p{  
    color:rgb(218, 40, 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(218, 40, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 40, 0) }
```

Border

The CSS property to change the border of an element to XYZ 29.6722, 16.4230, 1.6061 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(218, 40, 0) }
```


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

```
.border{ border-color:rgb(218, 40, 0) }
```

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

Here you see how a box with a 4 pixel rgb(218, 40, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 40, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 40, 0);  
box-shadow:4px 4px 4px 4px rgb(218, 40, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 29.6722, 16.4230, 1.6061 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 40, 0) }
```

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

```
.background{ background-color: rgb(218, 40,  
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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