

Converting Colors

XYZ(29.3407, 16.5932, 1.8172)

Have a look what the booklet for
XYZ(29.3407, 16.5932, 1.8172)
contains.

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Color

**XYZ(29.3288, 16.5661,
1.8241)**

Conversions

Conversions Part 1

Format	Color
Hex	D82E06
RGB	216, 46, 6
RGB Percent	85%, 18%, 2%
CMY	0.1529, 0.8195, 0.9765
CMYK	0.00, 0.79, 0.97, 0.15
HSL	11°, 95%, 44%
HSV	11°, 97%, 85%
XYZ	29.3288, 16.5661, 1.8241
YIQ	92.2700, 114.1600, 23.6000

Conversions

Conversions Part 2

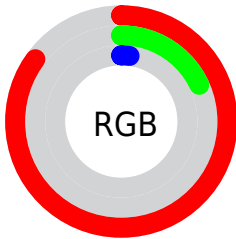
Format	Color
R _Y B	216, 55, 6
Decimal	14167558
CIE Lab	47.71, 63.27, 58.67
CIE LCh	48, 86.283, 42.839
Yxy	16.5661, 0.6146, 0.3472
Android (android.graphics.Color)	4292357638 (0xFFD82E06)
YUV	92.2700, -42.5311, 108.5112
Hunter-Lab	40.7015, 57.3965, 25.8339

Details

The XYZ color **29.3288, 16.5661, 1.8241** 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 **27.9925, 36.0422, 70.4467**, and the grayscale version is **10.3133, 10.8504, 11.8161**.

A 20% lighter version of the original color is **47.3400, 32.1123, 8.1181**, and **12.7625, 6.5793, 0.5973** is the 20% darker color. If you saturate the color by 10%, you get **29.1170, 16.1955, 1.5914**, and if you desaturate by 10%, it is **30.3288, 18.2913, 3.0059**.

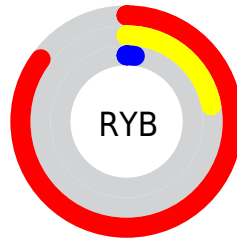
Distribution



Red (85%)

Green (18%)

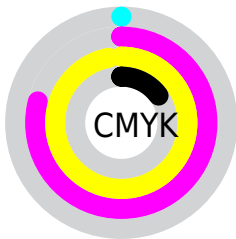
Blue (2%)



Red (85%)

Yellow (22%)

Blue (2%)

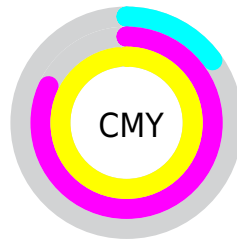


Cyan (0%)

Magenta (79%)

Yellow (97%)

Black (15%)



Cyan (15%)


Magenta (82%)


Yellow (98%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 29.3288, 16.5661, 1.8241 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 29.3288, 16.5661, 1.8241 by changing the saturation by 10% instead.


 29.3288, 16.5661,
1.8241


 29.3288, 16.5661,
1.8241


 290.7295,
232.6594, 119.5827


 19.4752, 9.9256,
0.4438


 57.9930, 37.5782,
8.5541


 12.1202, 5.3497,
0.0000


 77.5344, 52.7187,
14.8289


 6.8984, 2.4539,
0.0000


 101.0357, 71.4612,
23.6016

 3.4444, 0.8534,
0.0000

 128.8624, 94.1903,
35.2907

 1.3929, 0.0000,
0.0000

 161.3797,
121.2902, 50.3149


 0.2512, 0.0000,
0.0000


 198.9531,


 0.0000, 0.0000,


153.1454, 69.0926


0.0000


 241.9479,
190.1404, 92.0423


 29.3288, 16.5661,
1.8241


 29.3288, 16.5661,
1.8241


 29.1170, 16.1955,
1.5914

 30.3288, 18.2913,
3.0059

 31.8186, 20.7047,
5.2476

 33.8613, 23.8744,
8.7516

 36.5080, 27.8584,
13.6708

 39.8035, 32.7086,
20.1359

■ 43.7883, 38.4729,
28.2628

■ 48.4994, 45.1952,
38.1563

■ 53.9711, 52.9168,
49.9124

■ 60.2355, 61.6765,
63.6204

Harmonies

Analogous

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



35.1025, 16.5661, 10.1450



29.3288, 16.5661, 1.8241



20.5434, 16.5661, 0.0000

Triad

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



29.3288, 16.5661, 1.8241



5.3957, 16.5661, 8.1781



19.2793, 16.5661, 99.3255

Complementary

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



29.3288, 16.5661, 1.8241



27.9925, 36.0422, 70.4467

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.



11.7598, 16.5661, 96.7607



29.3288, 16.5661, 1.8241



5.2551, 16.5661, 29.2278

Square

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



29.3288, 16.5661, 1.8241



7.6563, 16.5661, 1.3750



7.1773, 16.5661, 65.1245



28.1469, 16.5661, 70.6061

Rectangle

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



29.3288, 16.5661, 1.8241



15.0218, 16.5661, 0.0000



7.1773, 16.5661, 65.1245



16.4922, 16.5661, 102.5102

Sweetspot

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



29.3291, 16.5671, 1.8243



69.1322, 63.6913, 52.3930



36.3696, 17.9234, 43.3994



14.1570, 12.7200, 9.8674



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.



29.3291, 16.5671, 1.8243



42.3211, 23.4222, 2.2904



39.1784, 36.2656, 5.1074



12.6128, 12.7999, 12.9666



17.2935, 9.7042, 0.9616



1.1007, 0.7005, 0.0772

Inverse Universe

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



27.9925, 36.0422, 70.4467



40.2209, 51.5618, 102.4403



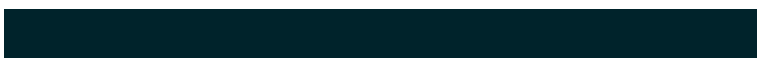
14.8197, 9.6964, 66.0558



12.5817, 13.6869, 15.9162



16.4675, 21.1968, 41.6766



1.0462, 1.3844, 2.5314

Previews

White Background



This preview shows how the XYZ color 29.3288, 16.5661, 1.8241 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 29.3288, 16.5661, 1.8241

Background



This preview shows how black text looks on a background with the XYZ color 29.3288, 16.5661, 1.8241.



This preview shows how white text looks on a background with the XYZ color 29.3288, 16.5661,

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

29.3288, 16.5661, 1.8241

Protanopia

15.1059, 16.6984, 3.4042

Deuteranopia

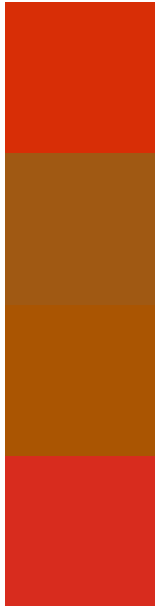
16.8642, 16.6544, 2.3258



Tritanopia

29.6188, 16.5011, 3.9094

Trichromacy



Original Color

29.3288, 16.5661, 1.8241

Protanomaly

18.1871, 14.6654, 2.4882

Deuteranomaly

19.8370, 15.0474, 1.9164

Tritanomaly

29.4539, 16.4940, 2.8596

Monochromacy



Original Color

29.3288, 16.5661, 1.8241

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

13.6749, 10.6874, 5.7570

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.3288, 16.5661, 1.8241 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(216, 46, 6)` looks like.

```
.text, #text, p{  
    color:rgb(216, 46, 6)  
}
```

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(216, 46, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 46, 6) }
```

Border

The CSS property to change the border of an element to XYZ 29.3288, 16.5661, 1.8241 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(216, 46, 6) }
```


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

```
.border{ border-color:rgb(216, 46, 6) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 46, 6)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 46, 6); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 46, 6);  
box-shadow:4px 4px 4px 4px rgb(216, 46, 6)  
}
```

Background

The CSS property to change the background color of an element to XYZ 29.3288, 16.5661, 1.8241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 46, 6) }
```

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

```
.background{ background-color: rgb(216, 46,  
6) }
```

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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