

Converting Colors

XYZ(27.4068, 16.6690, 2.6348)

Have a look what the booklet for
XYZ(27.4068, 16.6690, 2.6348)
contains.

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Color

**XYZ(27.3411, 16.6330,
2.6336)**

Conversions

Conversions Part 1

Format	Color
Hex	CE3E18
RGB	206, 62, 24
RGB Percent	81%, 24%, 9%
CMY	0.1922, 0.7568, 0.9059
CMYK	0.00, 0.70, 0.88, 0.19
HSL	13°, 79%, 45%
HSV	13°, 88%, 81%
XYZ	27.3411, 16.6330, 2.6336
YIQ	100.7240, 98.0220, 18.7100

Conversions

Conversions Part 2

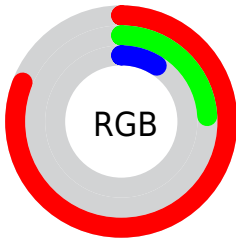
Format	Color
R_{YB}	206, 72, 24
Decimal	13516312
CIE Lab	47.79, 55.09, 52.15
CIE LCh	48, 75.857, 43.431
Yxy	16.6330, 0.5866, 0.3569
Android (android.graphics.Color)	4291706392 (0xFFCE3E18)
YUV	100.7240, -37.8249, 92.3271
Hunter-Lab	40.7836, 48.2942, 24.7198

Details

The XYZ color **27.3411, 16.6330, 2.6336** 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 **25.5181, 32.6523, 63.3497**, and the grayscale version is **12.3761, 13.0206, 14.1795**.

A 20% lighter version of the original color is **48.9210, 34.6979, 10.4223**, and **11.3277, 5.8396, 0.5301** is the 20% darker color. If you saturate the color by 10%, you get **26.4378, 15.0607, 1.6113**, and if you desaturate by 10%, it is **28.6657, 18.8007, 4.5606**.

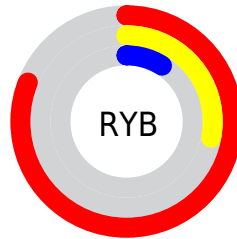
Distribution



Red (81%)

Green (24%)

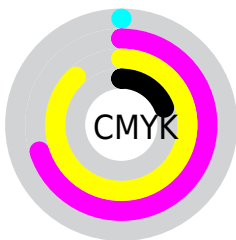
Blue (9%)



Red (81%)

Yellow (28%)

Blue (9%)

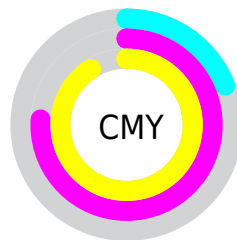


Cyan (0%)

Magenta (70%)

Yellow (88%)

Black (19%)



Cyan (19%)


Magenta (76%)


Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.3411, 16.6330, 2.6336 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 27.3411, 16.6330, 2.6336 by changing the saturation by 10% instead.

 27.3411, 16.6330,
2.6336


 27.3411, 16.6330,
2.6336


281.4424,
233.0485, 131.5478


 17.9675, 9.9732,
0.9097


 54.8468, 37.6937,
10.7101

 11.0262, 5.3812,
0.0000


 73.7095, 52.8633,
17.9008


 6.1519, 2.4726,
0.0000


 96.4660, 71.6384,
27.7512

 2.9792, 0.8629,
0.0000

 123.4817, 94.4033,
40.6799

 1.1428, 0.0000,
0.0000

 155.1218,
121.5423, 57.1053


 0.0604, 0.0000,
0.0000


 191.7517,


 0.0000, 0.0000,


153.4399, 77.4461


0.0000


 233.7368,
190.4805, 102.1207


 27.3411, 16.6330,
2.6336

 27.3411, 16.6330,
2.6336


 26.4378, 15.0607,
1.6113


 28.6657, 18.8007,
4.5606

 26.3181, 14.8510,
1.4794

 30.4702, 21.6192,
7.5986

 32.7990, 25.1382,
11.8856

 35.6912, 29.4015,
17.5392

 39.1818, 34.4491,
24.6633

■ 43.3028, 40.3185,
33.3516

■ 48.0839, 47.0442,
43.6901

■ 53.5531, 54.6591,
55.7585

■ 59.7363, 63.1942,
69.6313

Harmonies

Analogous

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



32.2551, 16.6330, 10.7267



27.3411, 16.6330, 2.6336



19.8414, 16.6330, 0.6779

Triad

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



27.3411, 16.6330, 2.6336



6.2923, 16.6330, 9.3889



19.0471, 16.6330, 84.4711

Complementary

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



27.3411, 16.6330, 2.6336



25.5181, 32.6523, 63.3497

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.



12.3640, 16.6330, 82.9975



27.3411, 16.6330, 2.6336



6.1925, 16.6330, 28.2830

Square

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



27.3411, 16.6330, 2.6336



8.4124, 16.6330, 2.2525



8.0841, 16.6330, 58.0155



26.6178, 16.6330, 61.2253

Rectangle

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



27.3411, 16.6330, 2.6336



15.0389, 16.6330, 0.4672



8.0841, 16.6330, 58.0155



16.6053, 16.6330, 87.1729

Sweetspot

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



27.3415, 16.6340, 2.6339



70.8958, 66.3654, 55.6112



32.9980, 16.6622, 39.3089



14.6472, 13.4580, 10.7784



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.



27.3415, 16.6340, 2.6339



42.5247, 23.8295, 2.3582



36.7494, 35.4498, 5.7698



11.3990, 11.5870, 11.7152



16.2633, 9.2595, 0.9301



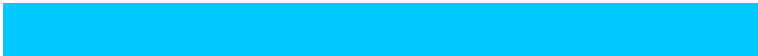
0.8953, 0.5902, 0.0667

Inverse Universe

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



25.5181, 32.6523, 63.3497



39.1109, 49.3418, 102.0703



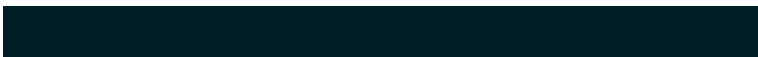
14.2845, 10.1849, 59.6051



11.3366, 12.3137, 14.3497



14.9944, 19.0128, 38.8358



0.8248, 1.0834, 2.0206

Previews

White Background



This preview shows how the XYZ color 27.3411, 16.6330, 2.6336 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 27.3411, 16.6330, 2.6336

Background



This preview shows how black text looks on a background with the XYZ color 27.3411, 16.6330, 2.6336.



This preview shows how white text looks on a background with the XYZ color 27.3411, 16.6330,

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

27.3411, 16.6330, 2.6336

Protanopia

15.2533, 16.7574, 4.1808

Deuteranopia

16.8642, 16.6544, 2.3258



Tritanopia

28.0875, 16.6284, 6.1441

Trichromacy



Original Color

27.3411, 16.6330, 2.6336

Protanomaly

18.0632, 15.3566, 3.3786

Deuteranomaly

19.7267, 15.7174, 2.2525

Tritanomaly

27.8296, 16.6067, 4.5349

Monochromacy



Original Color

27.3411, 16.6330, 2.6336

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

15.2583, 12.7864, 7.9672

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.3411, 16.6330, 2.6336 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(206, 62, 24)` looks like.

```
.text, #text, p{  
    color:rgb(206, 62, 24)  
}
```

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(206, 62, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 62, 24) }
```

Border

The CSS property to change the border of an element to XYZ 27.3411, 16.6330, 2.6336 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(206, 62, 24) }
```


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

```
.border{ border-color:rgb(206, 62, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 62, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 62, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 62, 24);  
box-shadow:4px 4px 4px 4px rgb(206, 62,  
24) }
```

Background

The CSS property to change the background color of an element to XYZ 27.3411, 16.6330, 2.6336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 62, 24) }
```

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

```
.background{ background-color: rgb(206, 62,  
24) }
```

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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