

Converting Colors

XYZ(27.6847, 18.8368, 3.4050)

Have a look what the booklet for
XYZ(27.6847, 18.8368, 3.4050)
contains.

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Color

**XYZ(27.6847, 18.8368,
3.4050)**

Conversions

Conversions Part 1

Format	Color
Hex	CA531E
RGB	202, 83, 30
RGB Percent	79%, 33%, 12%
CMY	0.2078, 0.6745, 0.8823
CMYK	0.00, 0.59, 0.85, 0.21
HSL	18°, 74%, 45%
HSV	18°, 85%, 79%
XYZ	27.6847, 18.8368, 3.4050
YIQ	112.5390, 87.9370, 8.7450

Conversions

Conversions Part 2

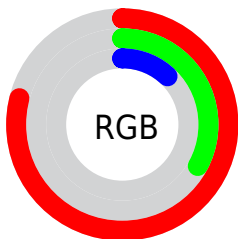
Format	Color
R_{YB}	202, 107, 30
Decimal	13259550
CIE _{Lab}	50.50, 44.82, 51.64
CIE _{LCh}	50, 68.375, 49.043
Yxy	18.8368, 0.5545, 0.3773
Android (android.graphics.Color)	4291449630 (0xFFCA531E)
YUV	112.5390, -40.6917, 78.4573
Hunter-Lab	43.4014, 37.9084, 25.7294

Details

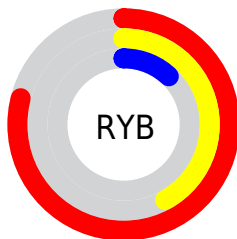
The XYZ color **27.6847, 18.8368, 3.4050** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark washed red. A complement of this color would be **21.9424, 26.0330, 59.7450**, and the grayscale version is **15.6586, 16.4741, 17.9403**.

A 20% lighter version of the original color is **51.4921, 39.4475, 12.4896**, and **11.2546, 6.4542, 0.6526** is the 20% darker color. If you saturate the color by 10%, you get **26.5408, 16.8382, 2.1327**, and if you desaturate by 10%, it is **29.2101, 21.3346, 5.6189**.

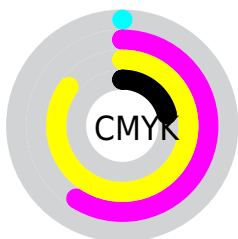
Distribution



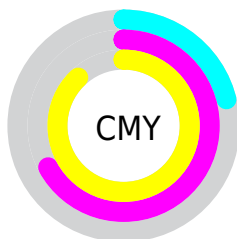
- Red (79%)
- Green (33%)
- Blue (12%)



- Red (79%)
- Yellow (42%)
- Blue (12%)



- Cyan (0%)
- Magenta (59%)
- Yellow (85%)
- Black (21%)




- Cyan (21%)
- Magenta (67%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.6847, 18.8368, 3.4050 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 27.6847, 18.8368, 3.4050 by changing the saturation by 10% instead.


 27.6847, 18.8368,
3.4050


 27.6847, 18.8368,
3.4050


283.0647,
245.5463, 141.3627


 18.2274, 11.5524,
1.3050


 55.3928, 41.4581,
12.6124

 11.2140, 6.4397,
0.0659


 74.3743, 57.5639,
20.5569


 6.2793, 3.1142,
0.0000


 97.2612, 77.3789,
31.2867

 3.0579, 1.1917,
0.0000

 124.4189,
101.2875, 45.2201

 1.1845, 0.0549,
0.0000

 156.2128,
129.6742, 62.7760

 0.0941, 0.0000,
0.0000

 193.0081,

 0.0000, 0.0000,

162.9233, 84.3726

0.0000

235.1703,
201.4192, 110.4287

27.6847, 18.8368,
3.4050

27.6847, 18.8368,
3.4050

26.5408, 16.8382,
2.1327

29.2101, 21.3346,
5.6189

26.0933, 16.0292,
1.7187

31.1549, 24.3632,
8.9215

33.5531, 27.9549,
13.4350

36.4343, 32.1380,
19.2646

39.8255, 36.9388,
26.5040

■ 43.7515, 42.3821,
35.2385

■ 48.2354, 48.4910,
45.5462

■ 53.2987, 55.2877,
57.5001

■ 58.9620, 62.7930,
71.1684

Harmonies

Analogous

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



32.9525, 18.8368, 10.7157



27.6847, 18.8368, 3.4050



20.4514, 18.8368, 1.4604

Triad

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



27.6847, 18.8368, 3.4050



8.0404, 18.8368, 14.2958



22.4183, 18.8368, 78.4286

Complementary

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



27.6847, 18.8368, 3.4050



21.9424, 26.0330, 59.7450

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.



15.5771, 18.8368, 81.7491



27.6847, 18.8368, 3.4050



8.3177, 18.8368, 34.9640

Square

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



27.6847, 18.8368, 3.4050



9.8659, 18.8368, 4.6341



10.7497, 18.8368, 62.5788



29.4284, 18.8368, 55.1933

Rectangle

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



27.6847, 18.8368, 3.4050



15.9645, 18.8368, 1.4241



10.7497, 18.8368, 62.5788



19.9941, 18.8368, 82.2856

Sweetspot

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



27.6851, 18.8379, 3.4053



73.2257, 70.5870, 57.7388



30.3585, 15.7000, 30.4536



15.1596, 14.3989, 11.2074



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.



27.6851, 18.8379, 3.4053



44.0062, 26.7924, 2.8521



38.5201, 40.5079, 7.0170



11.4896, 11.7682, 11.7454



16.8609, 10.4547, 1.1293



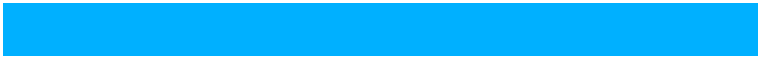
0.9375, 0.6747, 0.0808

Inverse Universe

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



21.9424, 26.0330, 59.7450



33.6567, 38.4334, 100.2522



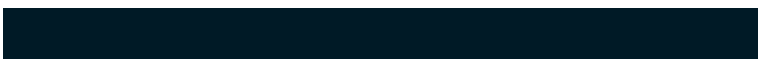
13.0521, 8.2525, 56.7816



11.2402, 12.1209, 14.3175



12.9531, 14.9302, 38.1554



0.7336, 0.9010, 1.9902

Previews

White Background



This preview shows how the XYZ color 27.6847, 18.8368, 3.4050 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 27.6847, 18.8368, 3.4050 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 × Fail

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

XYZ 27.6847, 18.8368, 3.4050

Background



This preview shows how black text looks on a background with the XYZ color 27.6847, 18.8368, 3.4050.



This preview shows how white text looks on a background with the XYZ color 27.6847, 18.8368,

3.4050.

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

27.6847, 18.8368, 3.4050

Protanopia

17.2120, 18.9788, 4.7636

Deuteranopia

19.3340, 19.0603, 3.0078



Tritanopia

29.1876, 18.9107, 10.2954

Trichromacy



Original Color

27.6847, 18.8368, 3.4050

Protanomaly

19.8742, 18.0137, 4.0986

Deuteranomaly

21.7624, 18.4054, 3.0217

Tritanomaly

28.4227, 18.8040, 6.9820

Monochromacy



Original Color

27.6847, 18.8368, 3.4050

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

17.9898, 16.1470, 10.3521

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.6847, 18.8368, 3.4050 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(202, 83, 30)` looks like.

```
.text, #text, p{  
    color:rgb(202, 83, 30)  
}
```

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(202, 83, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 83, 30) }
```

Border

The CSS property to change the border of an element to XYZ 27.6847, 18.8368, 3.4050 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(202, 83, 30) }
```


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

```
.border{ border-color:rgb(202, 83, 30) }
```

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

Here you see how a box with a 4 pixel rgb(202, 83, 30) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 83, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 83, 30);  
box-shadow:4px 4px 4px 4px rgb(202, 83,  
30) }
```

Background

The CSS property to change the background color of an element to XYZ 27.6847, 18.8368, 3.4050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 83, 30) }
```

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

```
.background{ background-color: rgb(202, 83,  
30) }
```

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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