

Converting Colors

XYZ(29.1887, 18.4004, 2.3329)

Have a look what the booklet for
XYZ(29.1887, 18.4004, 2.3329)
contains.

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Color

**XYZ(29.1776, 18.3795,
2.3264)**

Conversions

Conversions Part 1

Format	Color
Hex	D3470B
RGB	211, 71, 11
RGB Percent	83%, 28%, 4%
CMY	0.1726, 0.7215, 0.9568
CMYK	0.00, 0.66, 0.95, 0.17
HSL	18°, 90%, 44%
HSV	18°, 95%, 83%
XYZ	29.1776, 18.3795, 2.3264
YIQ	106.0200, 102.7000, 11.0200

Conversions

Conversions Part 2

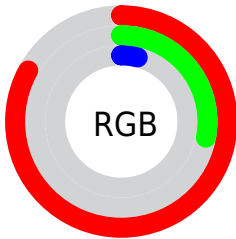
Format	Color
RYB	211, 97, 11
Decimal	13846283
CIELab	49.95, 53.01, 58.22
CIElCh	50, 78.735, 47.678
Yxy	18.3795, 0.5849, 0.3684
Android (android.graphics.Color)	4292036363 (0xFFD3470B)
YUV	106.0200, -46.8449, 92.0675
Hunter-Lab	42.8713, 46.4597, 26.7926

Details

The XYZ color **29.1776, 18.3795, 2.3264** 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 **22.9615, 26.9056, 65.6106**, and the grayscale version is **13.8108, 14.5300, 15.8232**.

A 20% lighter version of the original color is **49.6842, 36.5751, 9.5953**, and **12.2127, 6.2959, 0.5715** is the 20% darker color. If you saturate the color by 10%, you get **28.6583, 17.4379, 1.8554**, and if you desaturate by 10%, it is **30.4360, 20.5739, 3.7409**.

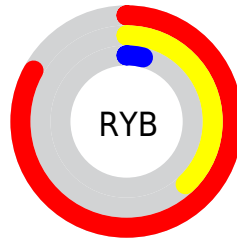
Distribution



Red (83%)

Green (28%)

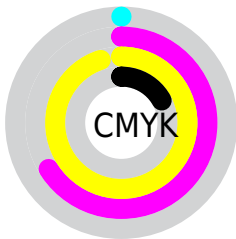
Blue (4%)



Red (83%)

Yellow (38%)

Blue (4%)

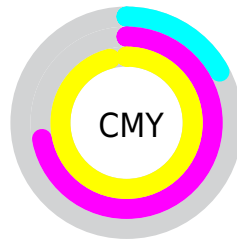


Cyan (0%)

Magenta (66%)

Yellow (95%)

Black (17%)



Cyan (17%)


Magenta (72%)


Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.1776, 18.3795, 2.3264 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 29.1776, 18.3795, 2.3264 by changing the saturation by 10% instead.


 29.1776, 18.3795,
2.3264


 29.1776, 18.3795,
2.3264


290.0311,
243.0015, 127.2554

 19.3602, 11.2228,
0.7460


 57.7547, 40.6829,
9.9154


 12.0364, 6.2169,
0.0000


 77.2452, 56.5984,
16.7770

 6.8408, 2.9774,
0.0000


 100.6906, 76.2023,
26.2415

 3.4082, 1.1200,
0.0000

 128.4565, 99.8790,
38.7273

 1.3731, 0.0000,
0.0000

 160.9081,
128.0129, 54.6531


 0.2370, 0.0000,
0.0000


 198.4109,


 0.0000, 0.0000,


160.9883, 74.4374


0.0000


 241.3301,
199.1897, 98.4986


 29.1776, 18.3795,
2.3264


 29.1776, 18.3795,
2.3264


 28.6583, 17.4379,
1.8554

 30.4360, 20.5739,
3.7409

 32.1209, 23.3274,
6.2025

 34.2770, 26.6812,
9.8757

 36.9418, 30.6705,
14.8959

 40.1488, 35.3281,
21.3799

■ 43.9283, 40.6839,
29.4320

■ 48.3083, 46.7662,
39.1467

■ 53.3146, 53.6014,
50.6112

■ 58.9718, 61.2148,
63.9062

Harmonies

Analogous

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



35.2690, 18.3795, 9.8568



29.1776, 18.3795, 2.3264



20.7533, 18.3795, 0.6435

Triad

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



29.1776, 18.3795, 2.3264



6.7795, 18.3795, 12.3875



22.2581, 18.3795, 91.4934

Complementary

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



29.1776, 18.3795, 2.3264



22.9615, 26.9056, 65.6106

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.



14.5512, 18.3795, 94.2914



29.1776, 18.3795, 2.3264



6.9681, 18.3795, 35.4762

Square

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



29.1776, 18.3795, 2.3264



8.7848, 18.3795, 3.0440



9.4055, 18.3795, 69.1683



30.5489, 18.3795, 63.0762

Rectangle

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



29.1776, 18.3795, 2.3264



15.6007, 18.3795, 0.5661



9.4055, 18.3795, 69.1683



19.4812, 18.3795, 95.9445

Sweetspot

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



29.1780, 18.3806, 2.3267



71.6865, 68.3773, 54.5477



32.5694, 16.3226, 30.7124



14.7223, 13.7713, 10.3005



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.



29.1780, 18.3806, 2.3267



43.8596, 26.4992, 2.8032



41.4871, 42.9988, 6.4297



12.0938, 12.3782, 12.3639



17.3743, 10.6816, 1.1460



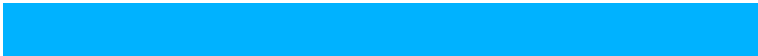
1.0409, 0.7361, 0.0872

Inverse Universe

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



22.9615, 26.9056, 65.6106



34.0684, 39.2567, 100.3895



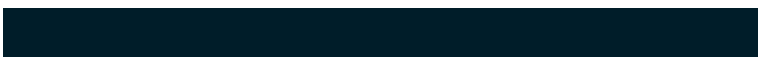
13.0798, 7.1422, 62.3167



11.8465, 12.7832, 15.0867



13.5513, 15.7492, 39.5182



0.8254, 1.0160, 2.2322

Previews

White Background



This preview shows how the XYZ color 29.1776, 18.3795, 2.3264 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 29.1776, 18.3795, 2.3264 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 29.1776, 18.3795, 2.3264

Background



This preview shows how black text looks on a background with the XYZ color 29.1776, 18.3795, 2.3264.



This preview shows how white text looks on a background with the XYZ color 29.1776, 18.3795,

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

29.1776, 18.3795, 2.3264

Protanopia

16.7235, 18.5715, 3.6229

Deuteranopia

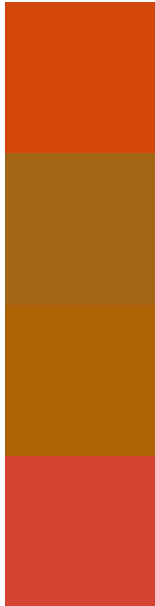
18.6676, 18.3896, 2.5657



Tritanopia

30.2051, 18.3357, 7.7415

Trichromacy



Original Color

29.1776, 18.3795, 2.3264

Protanomaly

19.7779, 17.2346, 2.9460

Deuteranomaly

21.6232, 17.6284, 2.3778

Tritanomaly

29.7729, 18.3530, 4.8790

Monochromacy



Original Color

29.1776, 18.3795, 2.3264

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

16.5533, 14.2129, 7.8322

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.1776, 18.3795, 2.3264 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(211, 71, 11)` looks like.

```
.text, #text, p{  
    color:rgb(211, 71, 11)  
}
```

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(211, 71, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 71, 11) }
```

Border

The CSS property to change the border of an element to XYZ 29.1776, 18.3795, 2.3264 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(211, 71, 11) }
```


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

```
.border{ border-color:rgb(211, 71, 11) }
```

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

Here you see how a box with a 4 pixel rgb(211, 71, 11) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 71, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 71, 11);  
box-shadow:4px 4px 4px 4px rgb(211, 71,  
11) }
```

Background

The CSS property to change the background color of an element to XYZ 29.1776, 18.3795, 2.3264 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 71, 11) }
```

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

```
.background{ background-color: rgb(211, 71,  
11) }
```

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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