

Converting Colors

XYZ(27.9314, 18.3665, 2.4709)

Have a look what the booklet for
XYZ(27.9314, 18.3665, 2.4709)
contains.

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Color

**XYZ(27.9100, 18.3186,
2.4803)**

Conversions

Conversions Part 1

Format	Color
Hex	CD4D0E
RGB	205, 77, 14
RGB Percent	80%, 30%, 5%
CMY	0.1961, 0.6980, 0.9451
CMYK	0.00, 0.62, 0.93, 0.20
HSL	20°, 87%, 43%
HSV	20°, 93%, 80%
XYZ	27.9100, 18.3186, 2.4803
YIQ	108.0900, 96.5110, 7.5430

Conversions

Conversions Part 2

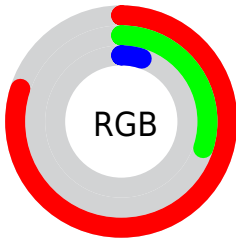
Format	Color
RYB	205, 108, 14
Decimal	13454606
CIELab	49.88, 48.37, 56.89
CIELCh	50, 74.674, 49.629
Yxy	18.3186, 0.5730, 0.3761
Android (android.graphics.Color)	4291644686 (0xFFCD4D0E)
YUV	108.0900, -46.3864, 84.9901
Hunter-Lab	42.8002, 41.4993, 26.5243

Details

The XYZ color **27.9100, 18.3186, 2.4803** 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 **20.8727, 23.8455, 61.2597**, and the grayscale version is **14.3872, 15.1365, 16.4836**.

A 20% lighter version of the original color is **50.3997, 37.9100, 10.1298**, and **11.3716, 6.1834, 0.5942** is the 20% darker color. If you saturate the color by 10%, you get **27.2211, 17.0680, 1.8597**, and if you desaturate by 10%, it is **29.1921, 20.5362, 3.9770**.

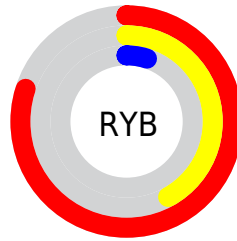
Distribution



Red (80%)

Green (30%)

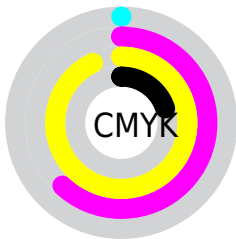
Blue (5%)



Red (80%)

Yellow (42%)

Blue (5%)

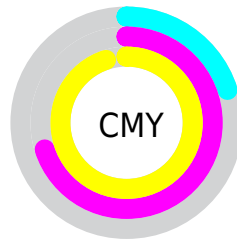


Cyan (0%)

Magenta (62%)

Yellow (93%)

Black (20%)



Cyan (20%)


Magenta (70%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.9100, 18.3186, 2.4803 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 27.9100, 18.3186, 2.4803 by changing the saturation by 10% instead.


 27.9100, 18.3186,
2.4803


 27.9100, 18.3186,
2.4803


284.1245,
242.6608, 129.4382


 18.3979, 11.1790,
0.8297


 55.7504, 40.5795,
10.3166


 11.3375, 6.1873,
0.0000


 74.8094, 56.4695,
17.3455

 6.3633, 2.9593,
0.0000


 97.7814, 76.0451,
27.0064

 3.1099, 1.1105,
0.0000

 125.0319, 99.6907,
39.7177

 1.2122, 0.0000,
0.0000

 156.9260,
127.7907, 55.8980


 0.1159, 0.0000,
0.0000


 193.8293,


 0.0000, 0.0000,


160.7294, 75.9658


0.0000


 236.1070,
198.8913, 100.3397


 27.9100, 18.3186,
2.4803

 27.9100, 18.3186,
2.4803

 27.2211, 17.0680,
1.8597

 29.1921, 20.5362,
3.9770

 30.8654, 23.2531,
6.4763

 32.9684, 26.5029,
10.1252

 35.5337, 30.3148,
15.0456

 38.5904, 34.7158,
21.3437

■ 42.1650, 39.7308,
29.1145

■ 46.2818, 45.3833,
38.4444

■ 50.9637, 51.6953,
49.4131

■ 56.2320, 58.6878,
62.0948

Harmonies

Analogous

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



33.8179, 18.3186, 9.4346



27.9100, 18.3186, 2.4803



20.0029, 18.3186, 0.8772

Triad

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



27.9100, 18.3186, 2.4803



7.0935, 18.3186, 13.6691



22.4451, 18.3186, 84.6773

Complementary

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



27.9100, 18.3186, 2.4803



20.8727, 23.8455, 61.2597

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.



15.0537, 18.3186, 89.0594



27.9100, 18.3186, 2.4803



7.4136, 18.3186, 36.2940

Square

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



27.9100, 18.3186, 2.4803



8.9030, 18.3186, 3.7754



9.9435, 18.3186, 67.4339



30.1127, 18.3186, 57.8175

Rectangle

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



27.9100, 18.3186, 2.4803



15.2133, 18.3186, 0.8654



9.9435, 18.3186, 67.4339



19.8114, 18.3186, 89.2995

Sweetspot

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



27.9104, 18.3197, 2.4806



72.1998, 69.4038, 54.7188



30.4074, 15.3227, 27.9482



14.8431, 14.0128, 10.3408



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.



27.9104, 18.3197, 2.4806



44.4195, 27.6190, 2.9898



39.6276, 41.7540, 6.3863



11.5096, 11.8081, 11.7520



17.0244, 10.7818, 1.1838



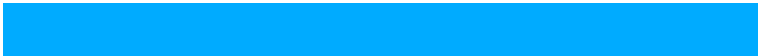
0.9477, 0.6950, 0.0842

Inverse Universe

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



20.8727, 23.8455, 61.2597



32.5906, 36.3012, 99.8969



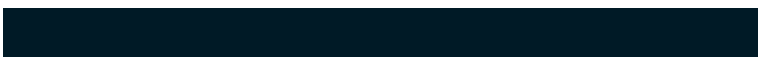
12.2996, 6.6994, 58.4020



11.2193, 12.0791, 14.3105



12.5524, 14.1289, 38.0218



0.7152, 0.8642, 1.9840

Previews

White Background



This preview shows how the XYZ color 27.9100, 18.3186, 2.4803 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



This preview shows how the XYZ color 27.9100, 18.3186, 2.4803 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 27.9100, 18.3186, 2.4803

Background



This preview shows how black text looks on a background with the XYZ color 27.9100, 18.3186, 2.4803.



This preview shows how white text looks on a background with the XYZ color 27.9100, 18.3186,

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

27.9100, 18.3186, 2.4803

Protanopia

16.7344, 18.5759, 3.6808

Deuteranopia

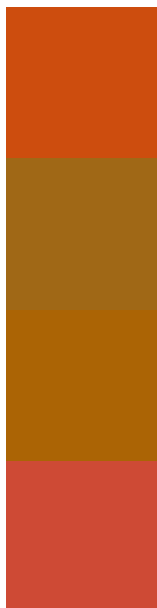
18.6676, 18.3896, 2.5657



Tritanopia

29.3540, 18.4219, 8.8461

Trichromacy



Original Color

27.9100, 18.3186, 2.4803

Protanomaly

19.5923, 17.4321, 3.0912

Deuteranomaly

21.3792, 17.7832, 2.4493

Tritanomaly

28.5450, 18.2764, 5.3914

Monochromacy



Original Color

27.9100, 18.3186, 2.4803

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

16.8384, 14.8834, 8.4639

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.9100, 18.3186, 2.4803 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(205, 77, 14)` looks like.

```
.text, #text, p{  
    color:rgb(205, 77, 14)  
}
```

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(205, 77, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 77, 14) }
```

Border

The CSS property to change the border of an element to XYZ 27.9100, 18.3186, 2.4803 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(205, 77, 14) }
```


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

```
.border{ border-color:rgb(205, 77, 14) }
```

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

Here you see how a box with a 4 pixel rgb(205, 77, 14) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 77, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 77, 14);  
box-shadow:4px 4px 4px 4px rgb(205, 77,  
14) }
```

Background

The CSS property to change the background color of an element to XYZ 27.9100, 18.3186, 2.4803 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 77, 14) }
```

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

```
.background{ background-color: rgb(205, 77,  
14) }
```

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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