

Converting Colors

XYZ(28.0437, 18.1852, 2.8440)

Have a look what the booklet for
XYZ(28.0437, 18.1852, 2.8440)
contains.

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Color

**XYZ(28.1243, 18.2158,
2.8443)**

Conversions

Conversions Part 1

Format	Color
Hex	CE4B17
RGB	206, 75, 23
RGB Percent	81%, 29%, 9%
CMY	0.1922, 0.7058, 0.9098
CMYK	0.00, 0.64, 0.89, 0.19
HSL	17°, 80%, 45%
HSV	17°, 89%, 81%
XYZ	28.1243, 18.2158, 2.8443
YIQ	108.2410, 94.7680, 11.6000

Conversions

Conversions Part 2

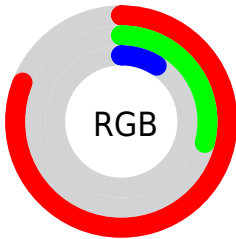
Format	Color
RYB	206, 96, 23
Decimal	13519639
CIELab	49.76, 49.75, 54.03
CIELCh	50, 73.446, 47.362
Yxy	18.2158, 0.5718, 0.3704
Android (android.graphics.Color)	4291709719 (0xFFCE4B17)
YUV	108.2410, -42.0238, 85.7346
Hunter-Lab	42.6800, 42.9340, 25.9247

Details

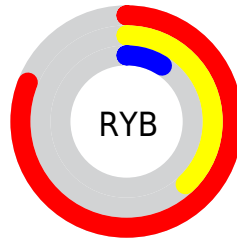
The XYZ color **28.1243, 18.2158, 2.8443** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **23.0483, 27.7472, 62.5330**, and the grayscale version is **14.4182, 15.1691, 16.5191**.

A 20% lighter version of the original color is **50.3263, 37.4549, 11.0556**, and **11.6455, 6.2171, 0.5862** is the 20% darker color. If you saturate the color by 10%, you get **27.0962, 16.3863, 1.8037**, and if you desaturate by 10%, it is **29.5360, 20.5715, 4.7578**.

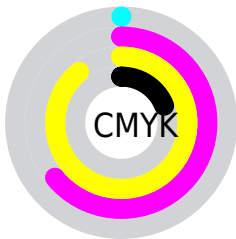
Distribution



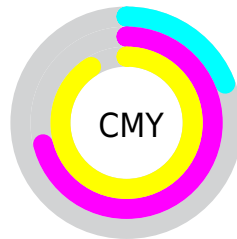
- Red (81%)
- Green (29%)
- Blue (9%)



- Red (81%)
- Yellow (38%)
- Blue (9%)



- Cyan (0%)
- Magenta (64%)
- Yellow (89%)
- Black (19%)





- Cyan (19%)
- Magenta (71%)
- Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.1243, 18.2158, 2.8443 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 28.1243, 18.2158, 2.8443 by changing the saturation by 10% instead.


 28.1243, 18.2158,
2.8443


 28.1243, 18.2158,
2.8443


285.1297,
242.0846, 134.3522


 18.5603, 11.1050,
1.0157


 56.0901, 40.4047,
11.2418


 11.4551, 6.1375,
0.0000


 75.2226, 56.2516,
18.6477

 6.4434, 2.9289,
0.0000


 98.2753, 75.7794,
28.7498

 3.1597, 1.0947,
0.0000

 125.6136, 99.3724,
41.9667

 1.2388, 0.0000,
0.0000

 157.6029,
127.4150, 58.7168


 0.1367, 0.0000,
0.0000


 194.6084,


 0.0000, 0.0000,


160.2917, 79.4187


0.0000


 236.9956,
198.3867, 104.4910


 28.1243, 18.2158,
2.8443


 28.1243, 18.2158,
2.8443

 27.0962, 16.3863,
1.8037


 29.5360, 20.5715,
4.7578

 26.9940, 16.2029,
1.7047

 31.3853, 23.4957,
7.7616

 33.7112, 27.0265,
11.9930

 36.5477, 31.1975,
17.5686

 39.9251, 36.0396,
24.5913

■ 43.8715, 41.5816,
33.1539

■ 48.4128, 47.8506,
43.3414

■ 53.5731, 54.8720,
55.2325

■ 59.3753, 62.6702,
68.9008

Harmonies

Analogous

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



33.5988, 18.2158, 10.4115



28.1243, 18.2158, 2.8443



20.4284, 18.2158, 0.9874

Triad

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



28.1243, 18.2158, 2.8443



7.2211, 18.2158, 12.5393



21.6486, 18.2158, 84.0606

Complementary

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



28.1243, 18.2158, 2.8443



23.0483, 27.7472, 62.5330

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.



14.5326, 18.2158, 86.2329



28.1243, 18.2158, 2.8443



7.3826, 18.2158, 33.7037

Square

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



28.1243, 18.2158, 2.8443



9.1797, 18.2158, 3.5054



9.7033, 18.2158, 63.8519



29.2224, 18.2158, 59.0772

Rectangle

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



28.1243, 18.2158, 2.8443



15.6455, 18.2158, 0.9051



9.7033, 18.2158, 63.8519



19.0962, 18.2158, 87.8845

Sweetspot

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



28.1247, 18.2169, 2.8446



72.1220, 68.8178, 56.0200



31.6050, 16.0727, 32.0740



14.9305, 14.0244, 10.8728



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.



28.1247, 18.2169, 2.8446



43.5878, 25.9556, 2.7126



39.3079, 40.5834, 6.5723



11.4676, 11.7242, 11.7380



16.6942, 10.1214, 1.0737



0.9268, 0.6532, 0.0772

Inverse Universe

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



23.0483, 27.7472, 62.5330



34.8869, 40.8938, 100.6623



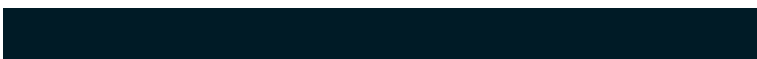
13.2521, 8.1549, 59.2676



11.2634, 12.1672, 14.3252



13.4147, 15.8533, 38.3092



0.7546, 0.9429, 1.9972

Previews

White Background



This preview shows how the XYZ color 28.1243, 18.2158, 2.8443 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 28.1243, 18.2158, 2.8443 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 28.1243, 18.2158, 2.8443

Background



This preview shows how black text looks on a background with the XYZ color 28.1243, 18.2158, 2.8443.



This preview shows how white text looks on a background with the XYZ color 28.1243, 18.2158,

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

28.1243, 18.2158, 2.8443

Protanopia

16.5584, 18.2957, 4.1721

Deuteranopia

18.4828, 18.2943, 2.5570



Tritanopia

29.1583, 18.1401, 8.4431

Trichromacy



Original Color

28.1243, 18.2158, 2.8443

Protanomaly

19.5818, 17.2678, 3.5292

Deuteranomaly

21.0832, 17.4873, 2.4939

Tritanomaly

28.7391, 18.1760, 5.6080

Monochromacy



Original Color

28.1243, 18.2158, 2.8443

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

17.0240, 14.8309, 8.9866

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.1243, 18.2158, 2.8443 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, 75, 23)` looks like.

```
.text, #text, p{  
    color:rgb(206, 75, 23)  
}
```

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, 75, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 75, 23) }
```

Border

The CSS property to change the border of an element to XYZ 28.1243, 18.2158, 2.8443 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, 75, 23) }
```


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

```
.border{ border-color:rgb(206, 75, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 75, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 75, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 75, 23);  
box-shadow:4px 4px 4px 4px rgb(206, 75,  
23) }
```

Background

The CSS property to change the background color of an element to XYZ 28.1243, 18.2158, 2.8443 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 75, 23) }
```

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

```
.background{ background-color: rgb(206, 75,  
23) }
```

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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