

Converting Colors

XYZ(28.5633, 18.4654, 4.1850)

Have a look what the booklet for
XYZ(28.5633, 18.4654, 4.1850)
contains.

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Color

**XYZ(28.7168, 18.5944,
4.1734)**

Conversions

Conversions Part 1

Format	Color
Hex	CF4C29
RGB	207, 76, 41
RGB Percent	81%, 30%, 16%
CMY	0.1882, 0.7019, 0.8392
CMYK	0.00, 0.63, 0.80, 0.19
HSL	13°, 67%, 49%
HSV	13°, 80%, 81%
XYZ	28.7168, 18.5944, 4.1734
YIQ	111.1790, 89.3110, 16.8870

Conversions

Conversions Part 2

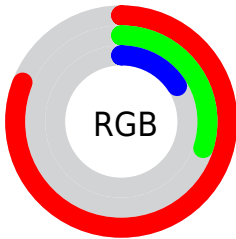
Format	Color
R_{YB}	207, 85, 41
Decimal	13585449
CIE Lab	50.21, 50.12, 46.72
CIE LCh	50, 68.521, 42.988
Yxy	18.5944, 0.5578, 0.3612
Android (android.graphics.Color)	4291775529 (0xFFCF4C29)
YUV	111.1790, -34.5982, 84.0350
Hunter-Lab	43.1212, 43.4108, 24.4466

Details

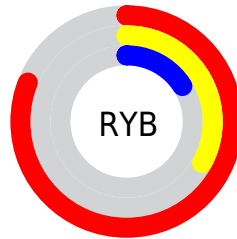
The XYZ color **28.7168, 18.5944, 4.1734** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **26.9279, 34.4785, 64.2667**, and the grayscale version is **15.2416, 16.0353, 17.4624**.

A 20% lighter version of the original color is **51.0258, 37.9465, 14.0863**, and **11.8341, 6.3338, 0.5988** is the 20% darker color. If you saturate the color by 10%, you get **27.4597, 16.5146, 2.4163**, and if you desaturate by 10%, it is **30.4502, 21.3237, 7.0256**.

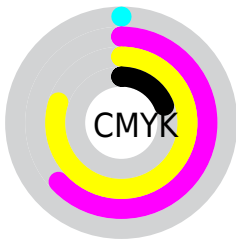
Distribution



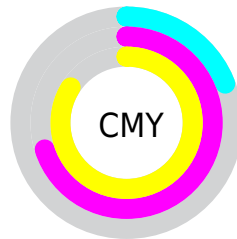
- Red (81%)
- Green (30%)
- Blue (16%)



- Red (81%)
- Yellow (33%)
- Blue (16%)



- Cyan (0%)
- Magenta (63%)
- Yellow (80%)
- Black (19%)





- Cyan (19%)
- Magenta (70%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.7168, 18.5944, 4.1734 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 28.7168, 18.5944, 4.1734 by changing the saturation by 10% instead.


 28.7168, 18.5944,
4.1734


 28.7168, 18.5944,
4.1734


287.8948,
244.2004, 150.1336


 19.0099, 11.3776,
1.7209


 57.0275, 41.0476,
14.4077


 11.7815, 6.3214,
0.3750


 76.3620, 57.0528,
23.0267

 6.6662, 3.0415,
0.0000


 99.6365, 76.7561,
34.5382

 3.2987, 1.1534,
0.0000

 127.2162,
100.5422, 49.3609

 1.3136, 0.0232,
0.0000

 159.4665,
128.7952, 67.9132

 0.1934, 0.0000,
0.0000

 196.7528,

 0.0000, 0.0000,

161.8996, 90.6138

0.0000

239.4404,
200.2399, 117.8811

■ 28.7168, 18.5944,
4.1734

■ 28.7168, 18.5944,
4.1734

■ 27.4597, 16.5146,
2.4163

■ 30.4502, 21.3237,
7.0256

■ 26.6197, 15.0410,
1.5002

■ 32.7045, 24.7493,
11.1164

■ 35.5204, 28.9169,
16.5681

■ 38.9335, 33.8677,
23.4881

■ 42.9769, 39.6394,
31.9729

■ 47.6809, 46.2675,
42.1109

■ 53.0738, 53.7852,
53.9836

■ 59.1822, 62.2240,
67.6673

■ 66.0315, 71.6138,
83.2336

Harmonies

Analogous

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



33.2064, 18.5944, 13.1079



28.7168, 18.5944, 4.1734



21.6657, 18.5944, 1.5653

Triad

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



28.7168, 18.5944, 4.1734



8.0812, 18.5944, 11.3430



20.6917, 18.5944, 80.6018

Complementary

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



28.7168, 18.5944, 4.1734



26.9279, 34.4785, 64.2667

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.



14.2044, 18.5944, 78.9489



28.7168, 18.5944, 4.1734



7.9447, 18.5944, 29.5951

Square

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



28.7168, 18.5944, 4.1734



10.3369, 18.5944, 3.5730



9.9011, 18.5944, 56.6674



27.8520, 18.5944, 60.3392

Rectangle

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



28.7168, 18.5944, 4.1734



17.0181, 18.5944, 1.3012



9.9011, 18.5944, 56.6674



18.3453, 18.5944, 82.8406

Sweetspot

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



28.7172, 18.5955, 4.1737



73.1969, 69.6296, 60.5032



34.1454, 17.8995, 41.5974



15.0929, 14.0935, 11.7153



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.



28.7172, 18.5955, 4.1737



43.0090, 24.7087, 2.7953



38.2230, 37.6070, 7.3423



12.0079, 12.2065, 12.3352



16.8280, 9.5891, 0.9639



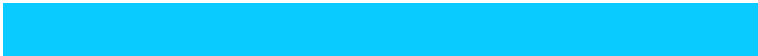
0.9999, 0.6541, 0.0736

Inverse Universe

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



26.9279, 34.4785, 64.2667



39.6221, 50.1748, 102.2041



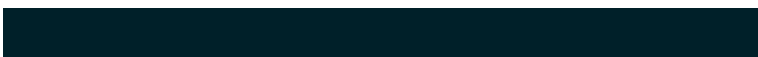
15.9010, 12.4246, 60.5911



11.9379, 12.9661, 15.1172



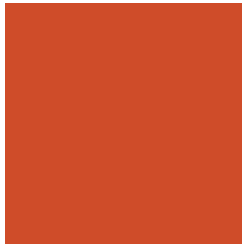
15.4571, 19.5607, 40.1534



0.9186, 1.2023, 2.2632

Previews

White Background



This preview shows how the XYZ color 28.7168, 18.5944, 4.1734 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 28.7168, 18.5944, 4.1734 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 28.7168, 18.5944, 4.1734

Background



This preview shows how black text looks on a background with the XYZ color 28.7168, 18.5944, 4.1734.



This preview shows how white text looks on a background with the XYZ color 28.7168, 18.5944,

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

28.7168, 18.5944, 4.1734

Protanopia

17.0319, 18.6765, 6.0754

Deuteranopia

19.0016, 18.7026, 3.7709



Tritanopia

29.6343, 18.5664, 8.8593

Trichromacy



Original Color

28.7168, 18.5944, 4.1734

Protanomaly

20.0019, 17.5960, 5.2479

Deuteranomaly

21.6263, 17.8821, 3.7506

Tritanomaly

29.2922, 18.5339, 6.7362

Monochromacy



Original Color

28.7168, 18.5944, 4.1734

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

17.9015, 15.5182, 10.8559

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.7168, 18.5944, 4.1734 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(207, 76, 41)` looks like.

```
.text, #text, p{  
    color:rgb(207, 76, 41)  
}
```

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(207, 76, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 76, 41) }
```

Border

The CSS property to change the border of an element to XYZ 28.7168, 18.5944, 4.1734 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(207, 76, 41) }
```


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

```
.border{ border-color:rgb(207, 76, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 76, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 76, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 76, 41);  
box-shadow:4px 4px 4px 4px rgb(207, 76,  
41) }
```

Background

The CSS property to change the background color of an element to XYZ 28.7168, 18.5944, 4.1734 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 76, 41) }
```

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

```
.background{ background-color: rgb(207, 76,  
41) }
```

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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