

Converting Colors

XYZ(28.5735, 18.9234, 2.8396)

Have a look what the booklet for
XYZ(28.5735, 18.9234, 2.8396)
contains.

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Color

**XYZ(28.7361, 19.0569,
2.8732)**

Conversions

Conversions Part 1

Format	Color
Hex	CF5015
RGB	207, 80, 21
RGB Percent	81%, 31%, 8%
CMY	0.1882, 0.6862, 0.9176
CMYK	0.00, 0.61, 0.90, 0.19
HSL	19°, 82%, 45%
HSV	19°, 90%, 81%
XYZ	28.7361, 19.0569, 2.8732
YIQ	111.2470, 94.6310, 8.5750

Conversions

Conversions Part 2

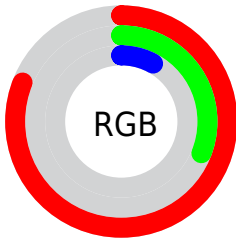
Format	Color
R_{YB}	207, 107, 21
Decimal	13586453
CIE Lab	50.75, 47.85, 55.55
CIE LCh	51, 73.318, 49.258
Yxy	19.0569, 0.5672, 0.3761
Android (android.graphics.Color)	4291776533 (0xFFCF5015)
YUV	111.2470, -44.4918, 83.9754
Hunter-Lab	43.6542, 41.1057, 26.6556

Details

The XYZ color **28.7361, 19.0569, 2.8732** 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 **22.1602, 25.8415, 62.8508**, and the grayscale version is **15.2882, 16.0844, 17.5159**.

A 20% lighter version of the original color is **50.9677, 38.7912, 11.1045**, and **11.9835, 6.6325, 0.6486** is the 20% darker color. If you saturate the color by 10%, you get **27.6745, 17.1478, 1.8599**, and if you desaturate by 10%, it is **30.1597, 21.4609, 4.7153**.

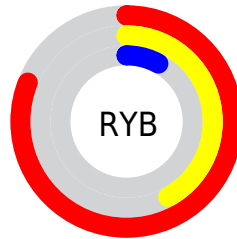
Distribution



Red (81%)

Green (31%)

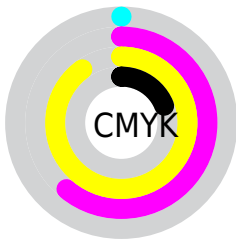
Blue (8%)



Red (81%)

Yellow (42%)

Blue (8%)

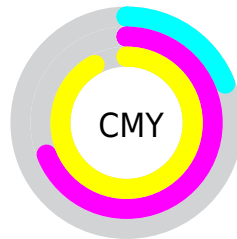


Cyan (0%)

Magenta (61%)

Yellow (90%)

Black (19%)



Cyan (19%)


Magenta (69%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.7361, 19.0569, 2.8732 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 28.7361, 19.0569, 2.8732 by changing the saturation by 10% instead.


 28.7361, 19.0569,
2.8732


 28.7361, 19.0569,
2.8732


287.9845,
246.7627, 134.7289


 19.0246, 11.7114,
1.0303


 57.0580, 41.8302,
11.3139

 11.7921, 6.5475,
0.0000


 76.3991, 58.0268,
18.7488


 6.6735, 3.1808,
0.0000


 99.6807, 77.9426,
28.8847

 3.3033, 1.2268,
0.0000

 127.2682,
101.9619, 42.1402

 1.3161, 0.0834,
0.0000

 159.5270,
130.4692, 58.9338


 0.1952, 0.0000,
0.0000


 196.8224,


 0.0000, 0.0000,


163.8488, 79.6841


0.0000


 239.5198,
202.4852, 104.8096


 28.7361, 19.0569,
2.8732


 28.7361, 19.0569,
2.8732


 27.6745, 17.1478,
1.8599


 30.1597, 21.4609,
4.7153

 27.6608, 17.1232,
1.8472

 32.0040, 24.4006,
7.6383

 34.3067, 27.9107,
11.7832

 37.1009, 32.0216,
17.2691

 40.4158, 36.7613,
24.2007

■ 44.2783, 42.1561,
32.6725

■ 48.7135, 48.2305,
42.7705

■ 53.7446, 55.0077,
54.5746

■ 59.3936, 62.5099,
68.1594

Harmonies

Analogous

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



34.5811, 19.0569, 10.2263



28.7361, 19.0569, 2.8732



20.8184, 19.0569, 1.0866

Triad

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



28.7361, 19.0569, 2.8732



7.6308, 19.0569, 14.2013



23.0743, 19.0569, 85.2121

Complementary

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



28.7361, 19.0569, 2.8732



22.1602, 25.8415, 62.8508

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.



15.6528, 19.0569, 89.1803



28.7361, 19.0569, 2.8732



7.9338, 19.0569, 36.7690

Square

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



28.7361, 19.0569, 2.8732



9.5173, 19.0569, 4.1379



10.4957, 19.0569, 67.6283



30.7594, 19.0569, 58.8823

Rectangle

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



28.7361, 19.0569, 2.8732



15.9755, 19.0569, 1.0619



10.4957, 19.0569, 67.6283



20.4331, 19.0569, 89.6528

Sweetspot

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



28.7365, 19.0580, 2.8735



72.6729, 69.9197, 56.2036



31.3532, 15.9429, 29.4832



15.0582, 14.2799, 10.9153



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.



28.7365, 19.0580, 2.8735



44.1749, 27.1298, 2.9083



40.7915, 43.1680, 6.8918



12.1105, 12.4116, 12.3694



17.5035, 10.9400, 1.1891



1.0497, 0.7537, 0.0902

Inverse Universe

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



22.1602, 25.8415, 62.8508



33.2057, 37.5314, 100.1019



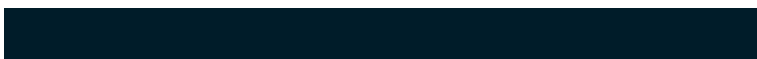
12.9426, 7.4064, 59.7783



11.8289, 12.7481, 15.0808



13.2160, 15.0786, 39.4064



0.8086, 0.9824, 2.2266

Previews

White Background



This preview shows how the XYZ color 28.7361, 19.0569, 2.8732 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 28.7361, 19.0569, 2.8732 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 28.7361, 19.0569, 2.8732

Background



This preview shows how black text looks on a background with the XYZ color 28.7361, 19.0569, 2.8732.



This preview shows how white text looks on a background with the XYZ color 28.7361, 19.0569,

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

28.7361, 19.0569, 2.8732

Protanopia

17.3736, 19.2576, 4.1679

Deuteranopia

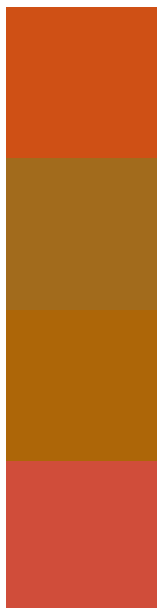
19.2676, 19.0338, 2.6584



Tritanopia

30.2219, 19.1520, 9.5010

Trichromacy



Original Color

28.7361, 19.0569, 2.8732

Protanomaly

20.3676, 18.2806, 3.5536

Deuteranomaly

22.0288, 18.4045, 2.6211

Tritanomaly

29.4300, 19.0231, 6.1237

Monochromacy



Original Color

28.7361, 19.0569, 2.8732

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

17.7864, 15.7754, 9.3152

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.7361, 19.0569, 2.8732 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, 80, 21)` looks like.

```
.text, #text, p{  
    color:rgb(207, 80, 21)  
}
```

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, 80, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 80, 21) }
```

Border

The CSS property to change the border of an element to XYZ 28.7361, 19.0569, 2.8732 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, 80, 21) }
```


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

```
.border{ border-color:rgb(207, 80, 21) }
```

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

Here you see how a box with a 4 pixel rgb(207, 80, 21) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 80, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 80, 21);  
box-shadow:4px 4px 4px 4px rgb(207, 80,  
21) }
```

Background

The CSS property to change the background color of an element to XYZ 28.7361, 19.0569, 2.8732 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 80, 21) }
```

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

```
.background{ background-color: rgb(207, 80,  
21) }
```

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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