

Converting Colors

XYZ(28.4339, 19.0276, 5.0358)

Have a look what the booklet for
XYZ(28.4339, 19.0276, 5.0358)
contains.

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Color

**XYZ(28.4735, 19.0937,
5.0905)**

Conversions

Conversions Part 1

Format	Color
Hex	CC5231
RGB	204, 82, 49
RGB Percent	80%, 32%, 19%
CMY	0.2000, 0.6784, 0.8078
CMYK	0.00, 0.60, 0.76, 0.20
HSL	13°, 61%, 50%
HSV	13°, 76%, 80%
XYZ	28.4735, 19.0937, 5.0905
YIQ	114.7160, 83.3050, 15.6010

Conversions

Conversions Part 2

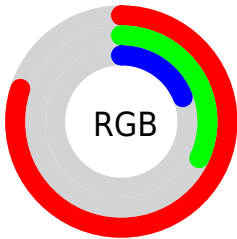
Format	Color
RYB	204, 91, 49
Decimal	13390385
CIELab	50.80, 46.64, 43.12
CIElCh	51, 63.518, 42.752
Yxy	19.0937, 0.5407, 0.3626
Android (android.graphics.Color)	4291580465 (0xFFCC5231)
YUV	114.7160, -32.3980, 78.3021
Hunter-Lab	43.6963, 39.8460, 23.6803

Details

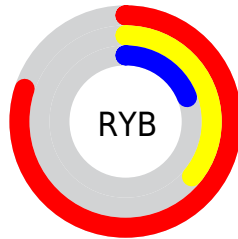
The XYZ color **28.4735, 19.0937, 5.0905** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted red. A complement of this color would be **26.7273, 34.1358, 62.3065**, and the grayscale version is **16.2877, 17.1360, 18.6611**.

A 20% lighter version of the original color is **52.0616, 39.4510, 16.1801**, and **11.7080, 6.5828, 0.7110** is the 20% darker color. If you saturate the color by 10%, you get **27.0639, 16.8148, 2.9559**, and if you desaturate by 10%, it is **30.3620, 22.0192, 8.3457**.

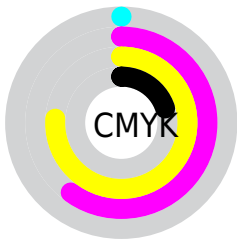
Distribution



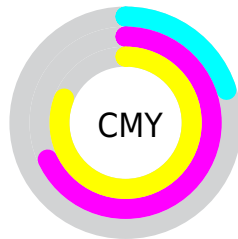
- Red (80%)
- Green (32%)
- Blue (19%)



- Red (80%)
- Yellow (36%)
- Blue (19%)



- Cyan (0%)
- Magenta (60%)
- Yellow (76%)
- Black (20%)





- Cyan (20%)
- Magenta (68%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.4735, 19.0937, 5.0905 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 28.4735, 19.0937, 5.0905 by changing the saturation by 10% instead.

 28.4735, 19.0937,
5.0905


 28.4735, 19.0937,
5.0905


286.7618,
246.9656, 159.6687


 18.8252, 11.7380,
2.2408


 56.6429, 41.8924,
16.4555

 11.6473, 6.5655,
0.6978


 75.8947, 58.1041,
25.8079


 6.5745, 3.1919,
0.0000


 99.0783, 78.0367,
38.1650

 3.2414, 1.2327,
0.0000

 126.5592,
102.0745, 53.9452

 1.2827, 0.0882,
0.0000

 158.7026,
130.6019, 73.5671

 0.1702, 0.0000,
0.0000

 195.8739,

 0.0000, 0.0000,

164.0032, 97.4494

0.0000

238.4386,
202.6630, 126.0104

■ 28.4735, 19.0937,
5.0905

■ 28.4735, 19.0937,
5.0905

■ 27.0639, 16.8148,
2.9559

■ 30.3620, 22.0192,
8.3457

■ 26.0827, 15.1276,
1.7807

■ 32.7695, 25.6337,
12.8492

■ 25.7816, 14.5973,
1.4587

■ 35.7331, 29.9794,
18.7126

■ 39.2859, 35.0942,
26.0346

■ 43.4586, 41.0135,
34.9045

■ 48.2793, 47.7702,
45.4048

■ 53.7746, 55.3955,
57.6118

■ 59.9696, 63.9188,
71.5971

■ 66.8880, 73.3683,
87.4283

Harmonies

Analogous

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



32.5641, 19.0937, 14.0839



28.4735, 19.0937, 5.0905



21.9474, 19.0937, 2.2039

Triad

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



28.4735, 19.0937, 5.0905



8.9242, 19.0937, 12.1673



20.9304, 19.0937, 75.6231

Complementary

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



28.4735, 19.0937, 5.0905



26.7273, 34.1358, 62.3065

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.



14.8145, 19.0937, 73.9831



28.4735, 19.0937, 5.0905



8.7732, 19.0937, 29.3444

Square

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



28.4735, 19.0937, 5.0905



11.1547, 19.0937, 4.3796



10.6799, 19.0937, 53.9735



27.5833, 19.0937, 57.6589

Rectangle

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



28.4735, 19.0937, 5.0905



17.5774, 19.0937, 1.8832



10.6799, 19.0937, 53.9735



18.7308, 19.0937, 77.5522

Sweetspot

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



28.4739, 19.0948, 5.0908



74.0048, 70.7836, 62.1958



33.5428, 18.0511, 41.2513



15.2501, 14.3198, 12.0397



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.



28.4739, 19.0948, 5.0908



43.7351, 26.0036, 3.5221



37.5978, 37.3425, 8.1321



11.4027, 11.5944, 11.7164



16.2833, 9.2995, 0.9368



0.8970, 0.5937, 0.0673

Inverse Universe

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



26.7273, 34.1358, 62.3065



40.3739, 51.3450, 102.3904



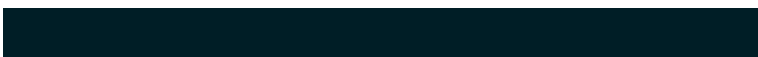
16.3032, 13.2875, 58.8318



11.3326, 12.3057, 14.3483



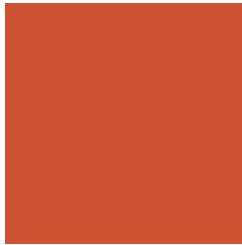
14.9032, 18.8304, 38.8054



0.8208, 1.0754, 2.0193

Previews

White Background



This preview shows how the XYZ color 28.4735, 19.0937, 5.0905 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 28.4735, 19.0937, 5.0905 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 28.4735, 19.0937, 5.0905

Background



This preview shows how black text looks on a background with the XYZ color 28.4735, 19.0937, 5.0905.



This preview shows how white text looks on a background with the XYZ color 28.4735, 19.0937,

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

28.4735, 19.0937, 5.0905

Protanopia

17.6334, 19.3243, 7.2155

Deuteranopia

19.4799, 19.0970, 4.7572



Tritanopia

29.4626, 19.0524, 10.3083

Trichromacy



Original Color

28.4735, 19.0937, 5.0905

Protanomaly

20.2943, 18.1817, 6.3107

Deuteranomaly

22.0995, 18.5403, 4.7967

Tritanomaly

29.1102, 19.0260, 8.0994

Monochromacy



Original Color

28.4735, 19.0937, 5.0905

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

18.7712, 16.6589, 12.1237

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.4735, 19.0937, 5.0905 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(204, 82, 49)` looks like.

```
.text, #text, p{  
    color:rgb(204, 82, 49)  
}
```

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(204, 82, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 82, 49) }
```

Border

The CSS property to change the border of an element to XYZ 28.4735, 19.0937, 5.0905 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(204, 82, 49) }
```


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

```
.border{ border-color:rgb(204, 82, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 82, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 82, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 82, 49);  
box-shadow:4px 4px 4px 4px rgb(204, 82,  
49) }
```

Background

The CSS property to change the background color of an element to XYZ 28.4735, 19.0937, 5.0905 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 82, 49) }
```

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

```
.background{ background-color: rgb(204, 82,  
49) }
```

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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