

Converting Colors

XYZ(28.9570, 19.0306, 9.7561)

Have a look what the booklet for
XYZ(28.9570, 19.0306, 9.7561)
contains.

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Color

**XYZ(28.9452, 19.0130,
9.7337)**

Conversions

Conversions Part 1

Format	Color
Hex	CB5050
RGB	203, 80, 80
RGB Percent	80%, 31%, 31%
CMY	0.2039, 0.6862, 0.6863
CMYK	0.00, 0.61, 0.61, 0.20
HSL	0°, 54%, 55%
HSV	0°, 61%, 80%
XYZ	28.9452, 19.0130, 9.7337
YIQ	116.7770, 73.3080, 26.0760

Conversions

Conversions Part 2

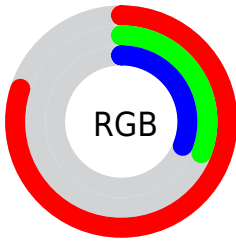
Format	Color
R_{YB}	203, 80, 80
Decimal	13324368
CIE _{Lab}	50.70, 48.88, 25.58
CIE _{LCh}	51, 55.171, 27.619
Yxy	19.0130, 0.5017, 0.3296
Android (android.graphics.Color)	4291514448 (0xFFCB5050)
YUV	116.7770, -18.1311, 75.6176
Hunter-Lab	43.6039, 42.1853, 17.2874

Details

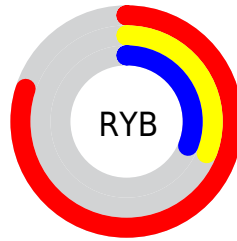
The XYZ color **28.9452, 19.0130, 9.7337** is a dark color, and the websafe version is hex **CC6666**. The color can be described as dark muted red. A complement of this color would be **35.4419, 48.7256, 64.0366**, and the grayscale version is **16.8787, 17.7577, 19.3381**.

A 20% lighter version of the original color is **53.7275, 39.8952, 25.6377**, and **11.9180, 6.5348, 2.2233** is the 20% darker color. If you saturate the color by 10%, you get **27.0368, 16.2208, 5.9395**, and if you desaturate by 10%, it is **31.5299, 22.7956, 14.8712**.

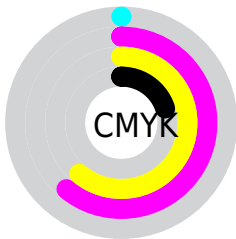
Distribution



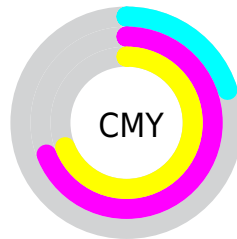
- Red (80%)
- Green (31%)
- Blue (31%)



- Red (80%)
- Yellow (31%)
- Blue (31%)



- Cyan (0%)
- Magenta (61%)
- Yellow (61%)
- Black (20%)





- Cyan (20%)
- Magenta (69%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.9452, 19.0130, 9.7337 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 28.9452, 19.0130, 9.7337 by changing the saturation by 10% instead.

 28.9452, 19.0130,
9.7337

 28.9452, 19.0130,
9.7337


288.9552,
246.5205, 199.1760


 19.1834, 11.6797,
5.1195


 57.3882, 41.7561,
25.8933


 11.9077, 6.5260,
2.2576


 76.8001, 57.9346,
38.2758


 6.7526, 3.1675,
0.7073


 100.1595, 77.8303,
54.0848

 3.3528, 1.2198,
0.0000

 127.8316,
101.8276, 73.7388

 1.3430, 0.0778,
0.0000

 160.1819,
130.3109, 97.6564

 0.2150, 0.0000,
0.0000

197.5757,

 0.0000, 0.0000,

163.6645, 126.2561

0.0000

240.3783,
202.2729, 159.9564

■ 28.9452, 19.0130,
9.7337

■ 28.9452, 19.0130,
9.7337

■ 27.0368, 16.2208,
5.9395

■ 31.5299, 22.7956,
14.8712

■ 25.7404, 14.3237,
3.3625

■ 34.8447, 27.6461,
21.4607

■ 24.9816, 13.2133,
1.8544

■ 38.9395, 33.6380,
29.6009

■ 24.6286, 12.6967,
1.1526

■ 43.8595, 40.8374,
39.3817

■ 49.6464, 49.3053,
50.8860

■ 56.3392, 59.0987,
64.1910

■ 63.9743, 70.2710,
79.3696

■ 72.5864, 82.8728,
96.4902

■ 78.4384, 91.4364,
108.1226

Harmonies

Analogous

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



30.5858, 19.0130, 21.9644



28.9452, 19.0130, 9.7337



24.2349, 19.0130, 4.3577

Triad

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



28.9452, 19.0130, 9.7337



10.6325, 19.0130, 8.4942



17.6426, 19.0130, 67.0188

Complementary

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



28.9452, 19.0130, 9.7337



35.4419, 48.7256, 64.0366

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.



13.0528, 19.0130, 57.4339



28.9452, 19.0130, 9.7337



9.5425, 19.0130, 19.4887

Square

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



28.9452, 19.0130, 9.7337



13.6647, 19.0130, 3.9343



10.3319, 19.0130, 37.8139



23.3359, 19.0130, 59.9124

Rectangle

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



28.9452, 19.0130, 9.7337



20.3949, 19.0130, 3.1069



10.3319, 19.0130, 37.8139



15.9312, 19.0130, 65.5693

Sweetspot

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



28.9457, 19.0141, 9.7340



75.5867, 71.5197, 70.2074



38.2766, 22.7456, 58.8725



15.6055, 14.4695, 13.8879



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.



28.9457, 19.0141, 9.7340



44.4291, 25.9269, 8.2686



35.6752, 32.4732, 11.9772



11.2124, 11.2138, 11.6530



15.6736, 8.0802, 0.7335



0.8086, 0.4169, 0.0378

Inverse Universe

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



35.4419, 48.7256, 64.0366



56.2503, 79.9931, 107.0832



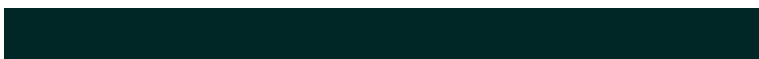
23.6865, 25.2148, 60.1181



11.5433, 12.7270, 14.4185



20.4491, 29.9223, 40.6541



1.0550, 1.5437, 2.0973

Previews

White Background



This preview shows how the XYZ color 28.9452, 19.0130, 9.7337 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 28.9452, 19.0130, 9.7337 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 28.9452, 19.0130, 9.7337

Background



This preview shows how black text looks on a background with the XYZ color 28.9452, 19.0130, 9.7337.



This preview shows how white text looks on a background with the XYZ color 28.9452, 19.0130,

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

28.9452, 19.0130, 9.7337

Protanopia

18.0483, 19.2049, 14.0649

Deuteranopia

19.5140, 19.1882, 9.1538



Tritanopia

29.0248, 18.9286, 10.5113

Trichromacy



Original Color

28.9452, 19.0130, 9.7337

Protanomaly

20.7527, 18.1313, 12.3034

Deuteranomaly

22.0911, 18.4378, 9.2320

Tritanomaly

28.9859, 18.9130, 10.3065

Monochromacy



Original Color

28.9452, 19.0130, 9.7337

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

19.6617, 17.1960, 15.3796

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.9452, 19.0130, 9.7337 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(203, 80, 80)` looks like.

```
.text, #text, p{  
    color:rgb(203, 80, 80)  
}
```

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(203, 80, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 80, 80) }
```

Border

The CSS property to change the border of an element to XYZ 28.9452, 19.0130, 9.7337 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(203, 80, 80) }
```


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

```
.border{ border-color:rgb(203, 80, 80) }
```

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

Here you see how a box with a 4 pixel rgb(203, 80, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 80, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 80, 80);  
box-shadow:4px 4px 4px 4px rgb(203, 80,  
80) }
```

Background

The CSS property to change the background color of an element to XYZ 28.9452, 19.0130, 9.7337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 80, 80) }
```

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

```
.background{ background-color: rgb(203, 80,  
80) }
```

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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