

Converting Colors

XYZ(29.0892, 19.0709, 11.7655)

Have a look what the booklet for
XYZ(29.0892, 19.0709, 11.7655)
contains.

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Color

**XYZ(29.0712, 19.0321,
11.8142)**

Conversions

Conversions Part 1

Format	Color
Hex	CA505A
RGB	202, 80, 90
RGB Percent	79%, 31%, 35%
CMY	0.2078, 0.6862, 0.6471
CMYK	0.00, 0.60, 0.55, 0.21
HSL	355°, 54%, 55%
HSV	355°, 60%, 79%
XYZ	29.0712, 19.0321, 11.8142
YIQ	117.6180, 69.5020, 28.9740

Conversions

Conversions Part 2

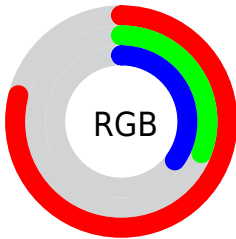
Format	Color
RYB	202, 80, 90
Decimal	13258842
CIELab	50.72, 49.28, 19.65
CIElCh	51, 53.049, 21.742
Yxy	19.0321, 0.4852, 0.3176
Android (android.graphics.Color)	4291448922 (0xFFCA505A)
YUV	117.6180, -13.6157, 74.0030
Hunter-Lab	43.6258, 42.6030, 14.4819

Details

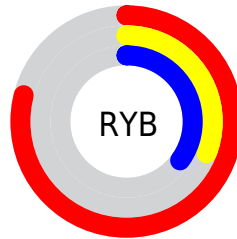
The XYZ color **29.0712, 19.0321, 11.8142** is a dark color, and the websafe version is hex **CC6666**. The color can be described as dark muted red. A complement of this color would be **33.9445, 47.7526, 57.3011**, and the grayscale version is **17.1273, 18.0193, 19.6230**.

A 20% lighter version of the original color is **54.4987, 40.2036, 29.6986**, and **11.9159, 6.5141, 3.1119** is the 20% darker color. If you saturate the color by 10%, you get **27.1148, 16.2289, 7.7415**, and if you desaturate by 10%, it is **31.6700, 22.8051, 17.0728**.

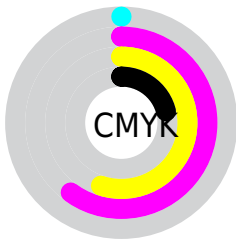
Distribution



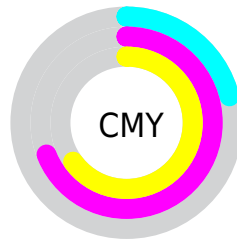
- Red (79%)
- Green (31%)
- Blue (35%)



- Red (79%)
- Yellow (31%)
- Blue (35%)



- Cyan (0%)
- Magenta (60%)
- Yellow (55%)
- Black (21%)





- Cyan (21%)
- Magenta (69%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.0712, 19.0321, 11.8142 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 29.0712, 19.0321, 11.8142 by changing the saturation by 10% instead.

 29.0712, 19.0321,
11.8142


 29.0712, 19.0321,
11.8142


289.5389,
246.6259, 214.1054


 19.2792, 11.6935,
6.4963


 57.5870, 41.7883,
29.8156


 11.9774, 6.5353,
3.0755


 77.0415, 57.9747,
43.3361


 6.8004, 3.1732,
1.1333


 100.4476, 77.8792,
60.4279

 3.3828, 1.2228,
0.0000

 128.1706,
101.8861, 81.5096

 1.3593, 0.0802,
0.0000

 160.5758,
130.3798, 106.9997

 0.2269, 0.0000,
0.0000

198.0288,

 0.0000, 0.0000,

163.7447, 137.3166

0.0000

240.8947,
202.3653, 172.8790

■ 29.0712, 19.0321,
11.8142

■ 29.0712, 19.0321,
11.8142

■ 27.1148, 16.2289,
7.7415

■ 31.6700, 22.8051,
17.0728

■ 25.7431, 14.3040,
4.7615

■ 34.9593, 27.6224,
23.5990

■ 24.8908, 13.1537,
2.7681

■ 38.9841, 33.5548,
31.4682

■ 24.4546, 12.5955,
1.6542

■ 43.7855, 40.6659,
40.7497

■ 49.4012, 49.0149,
51.5081

■ 55.8667, 58.6565,
63.8038

■ 63.2152, 69.6425,
77.6942

■ 71.4784, 82.0217,
93.2333

■ 78.1669, 91.2965,
108.1099

Harmonies

Analogous

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



29.9138, 19.0321, 25.1191



29.0712, 19.0321, 11.8142



25.0225, 19.0321, 5.3793

Triad

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



29.0712, 19.0321, 11.8142



11.3129, 19.0321, 7.5577



16.6894, 19.0321, 64.0090

Complementary

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



29.0712, 19.0321, 11.8142



33.9445, 47.7526, 57.3011

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.



12.5722, 19.0321, 52.3679



29.0712, 19.0321, 11.8142



9.8816, 19.0321, 16.8718

Square

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



29.0712, 19.0321, 11.8142



14.6291, 19.0321, 3.8716



10.2937, 19.0321, 33.2590



22.0564, 19.0321, 60.3848

Rectangle

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



29.0712, 19.0321, 11.8142



21.4103, 19.0321, 3.6801



10.2937, 19.0321, 33.2590



15.1311, 19.0321, 61.6090

Sweetspot

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



29.0717, 19.0331, 11.8145



76.0575, 71.7070, 72.6897



35.2259, 21.1875, 58.1097



15.7174, 14.5140, 14.4779



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.



29.0717, 19.0331, 11.8145



45.2162, 26.4965, 11.6283



33.8997, 29.3248, 11.4645



11.2490, 11.2283, 11.8459



15.7499, 8.1106, 1.1360



0.8257, 0.4237, 0.1282

Inverse Universe

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



29.0717, 19.0331, 11.8145



45.2162, 26.4965, 11.6283



25.0634, 28.1579, 59.9907



11.2490, 11.2283, 11.8459



15.7499, 8.1106, 1.1360



0.8257, 0.4237, 0.1282

Previews

White Background



This preview shows how the XYZ color 29.0712, 19.0321, 11.8142 looks on a white background.

Color Contrast Check

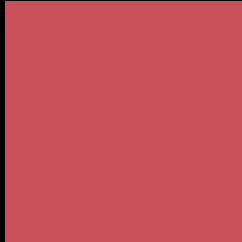
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.0712, 19.0321, 11.8142 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 29.0712, 19.0321, 11.8142

Background



This preview shows how black text looks on a background with the XYZ color 29.0712, 19.0321, 11.8142.

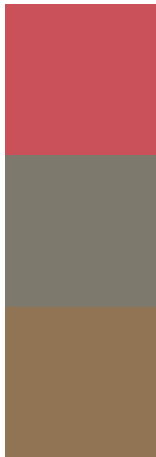


This preview shows how white text looks on a background with the XYZ color 29.0712, 19.0321,

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

29.0712, 19.0321, 11.8142

Protanopia

18.2019, 19.2145, 17.2174

Deuteranopia

19.5227, 19.1506, 11.0550



Tritanopia

28.9793, 19.1133, 10.9660

Trichromacy



Original Color

29.0712, 19.0321, 11.8142

Protanomaly

20.8787, 18.1374, 14.9708

Deuteranomaly

22.2558, 18.4794, 11.1980

Tritanomaly

29.0199, 19.1295, 11.1797

Monochromacy



Original Color

29.0712, 19.0321, 11.8142

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

20.0515, 17.3729, 16.4838

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.0712, 19.0321, 11.8142 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(202, 80, 90)` looks like.

```
.text, #text, p{  
    color:rgb(202, 80, 90)  
}
```

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(202, 80, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 80, 90) }
```

Border

The CSS property to change the border of an element to XYZ 29.0712, 19.0321, 11.8142 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(202, 80, 90) }
```


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

```
.border{ border-color:rgb(202, 80, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 80, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 80, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 80, 90);  
box-shadow:4px 4px 4px 4px rgb(202, 80,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 29.0712, 19.0321, 11.8142 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 80, 90) }
```

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

```
.background{ background-color: rgb(202, 80,  
90) }
```

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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