

Converting Colors

XYZ(30.9043, 19.8984, 9.5523)

Have a look what the booklet for
XYZ(30.9043, 19.8984, 9.5523)
contains.

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Color

**XYZ(31.0712, 20.0054,
9.6209)**

Conversions

Conversions Part 1

Format	Color
Hex	D34F4F
RGB	211, 79, 79
RGB Percent	83%, 31%, 31%
CMY	0.1726, 0.6902, 0.6902
CMYK	0.00, 0.63, 0.63, 0.17
HSL	0°, 60%, 57%
HSV	0°, 63%, 83%
XYZ	31.0712, 20.0054, 9.6209
YIQ	118.4680, 78.6720, 27.9840

Conversions

Conversions Part 2

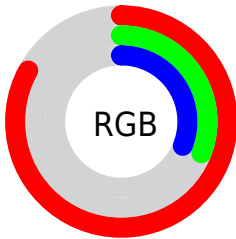
Format	Color
R_{YB}	211, 79, 79
Decimal	13848399
CIE _{Lab}	51.84, 52.01, 27.89
CIE _{LCh}	52, 59.016, 28.203
Yxy	20.0054, 0.5119, 0.3296
Android (android.graphics.Color)	4292038479 (0xFFD34F4F)
YUV	118.4680, -19.4577, 81.1506
Hunter-Lab	44.7274, 45.7273, 18.5558

Details

The XYZ color **31.0712, 20.0054, 9.6209** 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 **38.2743, 52.9495, 69.8305**, and the grayscale version is **17.4097, 18.3163, 19.9465**.

A 20% lighter version of the original color is **53.6614, 39.8687, 25.2892**, and **13.0669, 7.0004, 2.1759** is the 20% darker color. If you saturate the color by 10%, you get **29.1335, 17.1703, 5.7684**, and if you desaturate by 10%, it is **33.7364, 23.9058, 14.9183**.

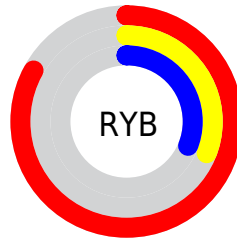
Distribution



Red (83%)

Green (31%)

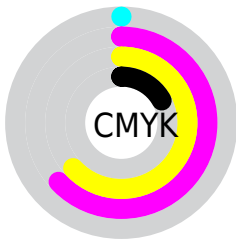
Blue (31%)



Red (83%)

Yellow (31%)

Blue (31%)

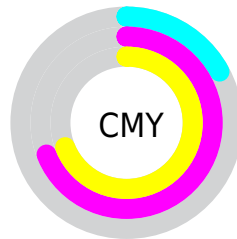


Cyan (0%)

Magenta (63%)

Yellow (63%)

Black (17%)



Cyan (17%)


Magenta (69%)


Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.0712, 20.0054, 9.6209 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 31.0712, 20.0054, 9.6209 by changing the saturation by 10% instead.


 31.0712, 20.0054,
9.6209


 31.0712, 20.0054,
9.6209


298.6872,
251.9443, 198.3300

 20.8052, 12.3990,
5.0460


 60.7272, 43.4262,
25.6765


 13.0933, 7.0160,
2.2151


 80.8479, 60.0094,
37.9944


 7.5703, 3.4721,
0.6831


 104.9842, 80.3537,
53.7303

 3.8707, 1.3829,
0.0000

 133.5015,
104.8434, 73.3029

 1.6292, 0.2041,
0.0000

 166.7651,
133.8629, 97.1306

 0.4114, 0.0000,
0.0000

205.1403,

 0.0000, 0.0000,

167.7966, 125.6320

0.0000

248.9926,
207.0290, 159.2256

■ 31.0712, 20.0054,
9.6209

■ 31.0712, 20.0054,
9.6209

■ 29.1335, 17.1703,
5.7684

■ 33.7364, 23.9058,
14.9183

■ 27.8503, 15.2925,
3.2178

■ 37.1897, 28.9590,
21.7832

■ 27.1361, 14.2474,
1.7984

■ 41.4872, 35.2476,
30.3264

■ 26.8639, 13.8491,
1.2573

■ 46.6795, 42.8453,
40.6484

■ 52.8130, 51.8203,
52.8416

■ 59.9310, 62.2361,
66.9922

■ 68.0744, 74.1520,
83.1810

■ 77.2812, 87.6241,
101.4843

■ 80.6738, 92.5888,
108.2272

Harmonies

Analogous

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



32.9980, 20.0054, 22.8326



31.0712, 20.0054, 9.6209



25.7482, 20.0054, 4.0592

Triad

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



31.0712, 20.0054, 9.6209



10.8124, 20.0054, 8.6194



18.6559, 20.0054, 74.1473

Complementary

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



31.0712, 20.0054, 9.6209



38.2743, 52.9495, 69.8305

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.



13.5709, 20.0054, 63.5379



31.0712, 20.0054, 9.6209



9.6730, 20.0054, 20.7651

Square

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



31.0712, 20.0054, 9.6209



14.0763, 20.0054, 3.7312



10.5666, 20.0054, 41.3747



24.9906, 20.0054, 65.6716

Rectangle

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



31.0712, 20.0054, 9.6209



21.4665, 20.0054, 2.8241



10.5666, 20.0054, 41.3747



16.7568, 20.0054, 72.6189

Sweetspot

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



31.0717, 20.0065, 9.6212



74.6522, 70.1524, 68.3496



41.4176, 24.1439, 64.1048



15.4242, 14.2042, 13.5274



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.



31.0717, 20.0065, 9.6212



43.9783, 25.2673, 7.3724



38.4004, 34.6641, 12.0642



11.8088, 11.8084, 12.2689



16.2125, 8.3580, 0.7588



0.9065, 0.4674, 0.0424

Inverse Universe

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



38.2743, 52.9495, 69.8305



55.9043, 79.8140, 107.0669



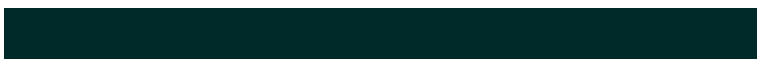
25.1077, 26.6162, 65.4416



12.1584, 13.4070, 15.1906



21.1520, 30.9506, 42.0517



1.1827, 1.7306, 2.3513

Previews

White Background



This preview shows how the XYZ color 31.0712, 20.0054, 9.6209 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 31.0712, 20.0054, 9.6209 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 31.0712, 20.0054, 9.6209

Background



This preview shows how black text looks on a background with the XYZ color 31.0712, 20.0054, 9.6209.



This preview shows how white text looks on a background with the XYZ color 31.0712, 20.0054,

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

31.0712, 20.0054, 9.6209

Protanopia

18.8810, 20.1839, 14.2100

Deuteranopia

20.4106, 20.0041, 8.9163



Tritanopia

31.1497, 19.9222, 10.3872

Trichromacy



Original Color

31.0712, 20.0054, 9.6209

Protanomaly

21.9060, 19.0404, 12.1934

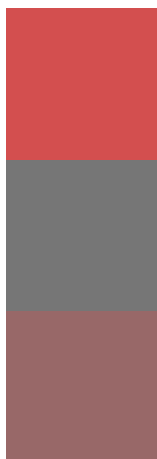
Deuteranomaly

23.4539, 19.2929, 9.1444

Tritanomaly

31.1113, 19.9069, 10.1853

Monochromacy



Original Color

31.0712, 20.0054, 9.6209

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

20.3979, 17.5755, 15.4140

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0712, 20.0054, 9.6209 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(211, 79, 79)` looks like.

```
.text, #text, p{  
    color:rgb(211, 79, 79)  
}
```

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(211, 79, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 79, 79) }
```

Border

The CSS property to change the border of an element to XYZ 31.0712, 20.0054, 9.6209 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(211, 79, 79) }
```


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

```
.border{ border-color:rgb(211, 79, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 79, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 79, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 79, 79);  
box-shadow:4px 4px 4px 4px rgb(211, 79,  
79) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0712, 20.0054, 9.6209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 79, 79) }
```

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

```
.background{ background-color: rgb(211, 79,  
79) }
```

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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