

Converting Colors

XYZ(29.3530, 20.2151, 8.3829)

Have a look what the booklet for
XYZ(29.3530, 20.2151, 8.3829)
contains.

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Color

**XYZ(29.2557, 20.1309,
8.3049)**

Conversions

Conversions Part 1

Format	Color
Hex	CB5847
RGB	203, 88, 71
RGB Percent	80%, 35%, 28%
CMY	0.2039, 0.6549, 0.7216
CMYK	0.00, 0.57, 0.65, 0.20
HSL	8°, 56%, 54%
HSV	8°, 65%, 80%
XYZ	29.2557, 20.1309, 8.3049
YIQ	120.4470, 73.9970, 19.0930

Conversions

Conversions Part 2

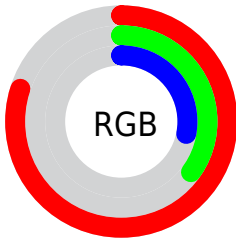
Format	Color
R_{YB}	203, 91, 71
Decimal	13326407
CIE _{Lab}	51.98, 44.56, 32.40
CIE _{LCh}	52, 55.089, 36.022
Yxy	20.1309, 0.5071, 0.3489
Android (android.graphics.Color)	4291516487 (0xFFCB5847)
YUV	120.4470, -24.3774, 72.3990
Hunter-Lab	44.8675, 37.8723, 20.4327

Details

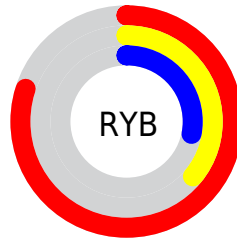
The XYZ color **29.2557, 20.1309, 8.3049** is a dark color, and the websafe version is hex **CC6666**. The color can be described as dark muted red. A complement of this color would be **30.9355, 40.7664, 62.7380**, and the grayscale version is **18.0558, 18.9961, 20.6867**.

A 20% lighter version of the original color is **54.1550, 41.6658, 22.9573**, and **12.1152, 7.1163, 1.7123** is the 20% darker color. If you saturate the color by 10%, you get **27.4299, 17.3536, 5.0013**, and if you desaturate by 10%, it is **31.6522, 23.7016, 12.8723**.

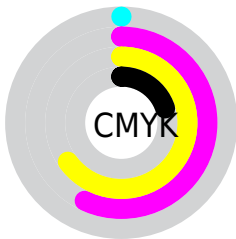
Distribution



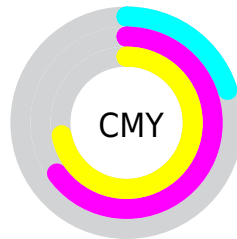
- Red (80%)
- Green (35%)
- Blue (28%)



- Red (80%)
- Yellow (36%)
- Blue (28%)



- Cyan (0%)
- Magenta (57%)
- Yellow (65%)
- Black (20%)





- Cyan (20%)
- Magenta (65%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.2557, 20.1309, 8.3049 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 29.2557, 20.1309, 8.3049 by changing the saturation by 10% instead.

 29.2557, 20.1309,
8.3049


 29.2557, 20.1309,
8.3049


290.3920,
252.6229, 188.1273


 19.4196, 12.4902,
4.2001


 57.8778, 43.6365,
23.1100


 12.0797, 7.0785,
1.7357


 77.3946, 60.2703,
34.6474


 6.8705, 3.5112,
0.3851


 100.8689, 80.6705,
49.4994

 3.4269, 1.4041,
0.0000

 128.6662,
105.2217, 68.0845

 1.3833, 0.2197,
0.0000

 161.1518,
134.3081, 90.8213

 0.2443, 0.0000,
0.0000

198.6911,

 0.0000, 0.0000,

168.3141, 118.1284

0.0000

241.6494,
207.6243, 150.4242

■ 29.2557, 20.1309,
8.3049

■ 29.2557, 20.1309,
8.3049

■ 27.4299, 17.3536,
5.0013

■ 31.6522, 23.7016,
12.8723

■ 26.1247, 15.3056,
2.8326

■ 34.6607, 28.1169,
18.8132

■ 25.2835, 13.9179,
1.6439

■ 38.3204, 33.4274,
26.2266

■ 25.0013, 13.4421,
1.2769

■ 42.6668, 39.6788,
35.2019

■ 47.7329, 46.9138,
45.8217

■ 53.5492, 55.1724,
58.1624

■ 60.1448, 64.4922,
72.2959

■ 67.5471, 74.9092,
88.2899

■ 75.7822, 86.4575,
106.2084

Harmonies

Analogous

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



31.9965, 20.1309, 18.8342



29.2557, 20.1309, 8.3049



23.8627, 20.1309, 4.0717

Triad

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



29.2557, 20.1309, 8.3049



10.8707, 20.1309, 11.6060



20.2884, 20.1309, 69.2555

Complementary

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



29.2557, 20.1309, 8.3049



30.9355, 40.7664, 62.7380

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.



15.0750, 20.1309, 64.0180



29.2557, 20.1309, 8.3049



10.2837, 20.1309, 25.3238

Square

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



29.2557, 20.1309, 8.3049



13.4635, 20.1309, 5.2211



11.6659, 20.1309, 45.5801



26.2074, 20.1309, 57.6193

Rectangle

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



29.2557, 20.1309, 8.3049



19.8922, 20.1309, 3.2846



11.6659, 20.1309, 45.5801



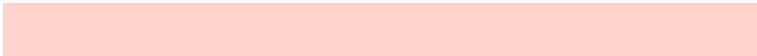
18.3949, 20.1309, 69.4626

Sweetspot

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



29.2562, 20.1320, 8.3052



75.3268, 71.9951, 67.0530



35.9158, 20.8166, 49.4761



15.6185, 14.6885, 13.2968



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.



29.2562, 20.1320, 8.3052



44.9529, 27.5398, 6.7006



37.0592, 35.7380, 10.9062



11.3269, 11.4427, 11.6911



15.9483, 8.6295, 0.8251



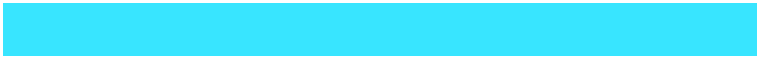
0.8621, 0.5238, 0.0557

Inverse Universe

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



30.9355, 40.7664, 62.7380



47.8095, 64.3096, 104.5009



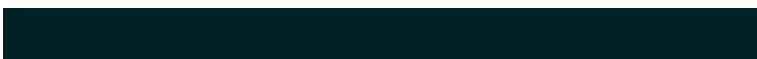
20.2886, 19.4725, 59.1890



11.4152, 12.4708, 14.3758



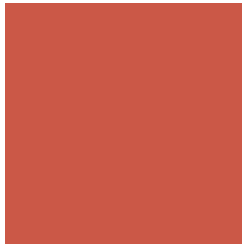
16.8932, 22.8105, 39.4688



0.9067, 1.2472, 2.0479

Previews

White Background



This preview shows how the XYZ color 29.2557, 20.1309, 8.3049 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 29.2557, 20.1309, 8.3049 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 29.2557, 20.1309, 8.3049

Background



This preview shows how black text looks on a background with the XYZ color 29.2557, 20.1309, 8.3049.



This preview shows how white text looks on a background with the XYZ color 29.2557, 20.1309,

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

29.2557, 20.1309, 8.3049

Protanopia

18.8390, 20.2221, 11.5047

Deuteranopia

20.6878, 20.3476, 7.8381



Tritanopia

30.0387, 20.0897, 12.1920

Trichromacy



Original Color

29.2557, 20.1309, 8.3049

Protanomaly

21.6296, 19.4216, 10.1982

Deuteranomaly

23.1703, 19.7883, 7.9085

Tritanomaly

29.8299, 20.1330, 10.7014

Monochromacy



Original Color

29.2557, 20.1309, 8.3049

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

20.3385, 18.1685, 15.0053

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.2557, 20.1309, 8.3049 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, 88, 71)` looks like.

```
.text, #text, p{  
    color:rgb(203, 88, 71)  
}
```

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, 88, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 88, 71) }
```

Border

The CSS property to change the border of an element to XYZ 29.2557, 20.1309, 8.3049 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, 88, 71) }
```


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

```
.border{ border-color:rgb(203, 88, 71) }
```

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

Here you see how a box with a 4 pixel rgb(203, 88, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 88, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 88, 71);  
box-shadow:4px 4px 4px 4px rgb(203, 88,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 29.2557, 20.1309, 8.3049 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 88, 71) }
```

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

```
.background{ background-color: rgb(203, 88,  
71) }
```

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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