

Converting Colors

XYZ(30.1636, 20.7319, 12.5079)

Have a look what the booklet for
XYZ(30.1636, 20.7319, 12.5079)
contains.

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Color

**XYZ(30.2165, 20.7815,
12.5439)**

Conversions

Conversions Part 1

Format	Color
Hex	CB5A5C
RGB	203, 90, 92
RGB Percent	80%, 35%, 36%
CMY	0.2039, 0.6470, 0.6392
CMYK	0.00, 0.56, 0.55, 0.20
HSL	359°, 52%, 57%
HSV	359°, 56%, 80%
XYZ	30.2165, 20.7815, 12.5439
YIQ	124.0150, 66.7060, 24.5780

Conversions

Conversions Part 2

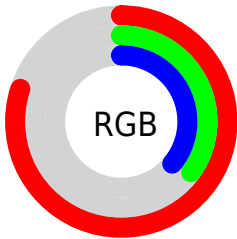
Format	Color
R_{YB}	203, 90, 92
Decimal	13326940
CIE Lab	52.71, 45.09, 21.15
CIE LCh	53, 49.801, 25.129
Yxy	20.7815, 0.4755, 0.3271
Android (android.graphics.Color)	4291517020 (0xFFCB5A5C)
YUV	124.0150, -15.7834, 69.2698
Hunter-Lab	45.5867, 38.5393, 15.5961

Details

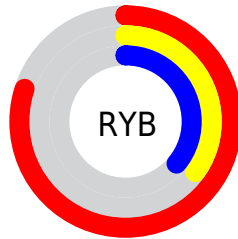
The XYZ color **30.2165, 20.7815, 12.5439** is a dark color, and the websafe version is hex **CC6666**. The color can be described as dark muted red. A complement of this color would be **36.1162, 49.1029, 62.8359**, and the grayscale version is **19.1992, 20.1991, 21.9968**.

A 20% lighter version of the original color is **55.9449, 42.8579, 30.9150**, and **12.6256, 7.3883, 3.3454** is the 20% darker color. If you saturate the color by 10%, you get **27.9720, 17.5088, 8.0463**, and if you desaturate by 10%, it is **33.1590, 25.0832, 18.4063**.

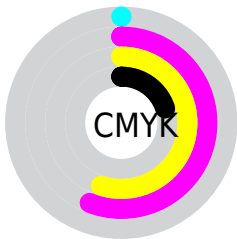
Distribution



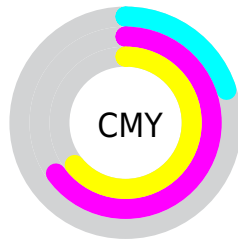
- Red (80%)
- Green (35%)
- Blue (36%)



- Red (80%)
- Yellow (35%)
- Blue (36%)



- Cyan (0%)
- Magenta (56%)
- Yellow (55%)
- Black (20%)





- Cyan (20%)
- Magenta (65%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.2165, 20.7815, 12.5439 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 30.2165, 20.7815, 12.5439 by changing the saturation by 10% instead.

 30.2165, 20.7815,
12.5439


 30.2165, 20.7815,
12.5439


294.8041,
256.1150, 219.0777


 20.1519, 12.9644,
6.9882


 59.3887, 44.7236,
31.1610


 12.6144, 7.4040,
3.3764


 79.2269, 61.6174,
45.0595

 7.2387, 3.7160,
1.2899


 103.0537, 82.3055,
62.5760

 3.6595, 1.5160,
0.0535

 131.2345,
107.1723, 84.1291

 1.5114, 0.3000,
0.0000

164.1346,
136.6023, 110.1372

 0.3335, 0.0000,
0.0000

202.1193,

 0.0000, 0.0000,

170.9798, 141.0190

0.0000

245.5540,
210.6893, 177.1930

■ 30.2165, 20.7815,
12.5439

■ 30.2165, 20.7815,
12.5439

■ 27.9720, 17.5088,
8.0463

■ 33.1590, 25.0832,
18.4063

■ 26.3664, 15.1762,
4.8024

■ 36.8490, 30.4863,
25.7306

■ 25.3336, 13.6857,
2.6854

■ 41.3333, 37.0609,
34.6060

■ 24.7919, 12.9147,
1.5415

■ 46.6545, 44.8700,
45.1146

■ 24.6481, 12.7043,
1.2560

■ 52.8522, 53.9722,
57.3325

■ 59.9633, 64.4225,
71.3311

■ 68.0227, 76.2726,
87.1778

■ 77.0636, 89.5715,
104.9363

■ 78.4385, 91.4364,
108.1226

Harmonies

Analogous

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



31.4368, 20.7815, 25.1385



30.2165, 20.7815, 12.5439



26.0144, 20.7815, 6.3615

Triad

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



30.2165, 20.7815, 12.5439



12.6531, 20.7815, 9.9192



18.9180, 20.7815, 64.6343

Complementary

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



30.2165, 20.7815, 12.5439



36.1162, 49.1029, 62.8359

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.



14.5854, 20.7815, 55.0437



30.2165, 20.7815, 12.5439



11.3945, 20.7815, 20.2896

Square

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



30.2165, 20.7815, 12.5439



15.8158, 20.7815, 5.3771



12.0347, 20.7815, 37.0378



24.2929, 20.7815, 59.5444

Rectangle

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



30.2165, 20.7815, 12.5439



22.4215, 20.7815, 4.7351



12.0347, 20.7815, 37.0378



17.3036, 20.7815, 62.9326

Sweetspot

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



30.2170, 20.7826, 12.5443



76.6322, 72.9466, 72.6034



38.0513, 23.7993, 59.0878



15.9991, 15.0215, 14.7439



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.



30.2170, 20.7826, 12.5443



46.1490, 28.3148, 12.0853



36.2572, 33.0007, 14.1332



11.2202, 11.2168, 11.6943



15.6896, 8.0864, 0.8179



0.8123, 0.4183, 0.0573

Inverse Universe

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



30.2170, 20.7826, 12.5443



46.1490, 28.3148, 12.0853



25.9459, 28.3846, 60.6109



11.2202, 11.2168, 11.6943



15.6896, 8.0864, 0.8179



0.8123, 0.4183, 0.0573

Previews

White Background



This preview shows how the XYZ color 30.2165, 20.7815, 12.5439 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 30.2165, 20.7815, 12.5439 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

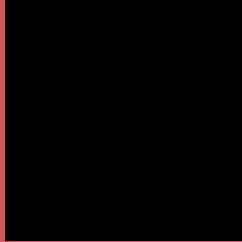
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.2165, 20.7815, 12.5439

Background



This preview shows how black text looks on a background with the XYZ color 30.2165, 20.7815, 12.5439.



This preview shows how white text looks on a background with the XYZ color 30.2165, 20.7815,

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

30.2165, 20.7815, 12.5439

Protanopia

19.8405, 20.9910, 17.1933

Deuteranopia

21.3202, 20.9422, 11.9354



Tritanopia

30.2665, 20.6675, 13.2205

Trichromacy



Original Color

30.2165, 20.7815, 12.5439

Protanomaly

22.4040, 20.0387, 15.2574

Deuteranomaly

23.9567, 20.4192, 12.1298

Tritanomaly

30.2214, 20.6494, 12.9826

Monochromacy



Original Color

30.2165, 20.7815, 12.5439

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

21.8557, 19.5305, 17.9471

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.2165, 20.7815, 12.5439 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, 90, 92)` looks like.

```
.text, #text, p{  
    color:rgb(203, 90, 92)  
}
```

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, 90, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 90, 92) }
```

Border

The CSS property to change the border of an element to XYZ 30.2165, 20.7815, 12.5439 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, 90, 92) }
```


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

```
.border{ border-color:rgb(203, 90, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 90, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 90, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 90, 92);  
box-shadow:4px 4px 4px 4px rgb(203, 90,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 30.2165, 20.7815, 12.5439 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 90, 92) }
```

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

```
.background{ background-color: rgb(203, 90,  
92) }
```

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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