

Converting Colors

XYZ(29.2292, 20.3032, 16.5809)

Have a look what the booklet for
XYZ(29.2292, 20.3032, 16.5809)
contains.

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Color

**XYZ(29.2128, 20.3006,
16.5661)**

Conversions

Conversions Part 1

Format	Color
Hex	C45B6C
RGB	196, 91, 108
RGB Percent	77%, 36%, 42%
CMY	0.2314, 0.6431, 0.5765
CMYK	0.00, 0.54, 0.45, 0.23
HSL	350°, 47%, 56%
HSV	350°, 54%, 77%
XYZ	29.2128, 20.3006, 16.5661
YIQ	124.3330, 57.1230, 27.5470

Conversions

Conversions Part 2

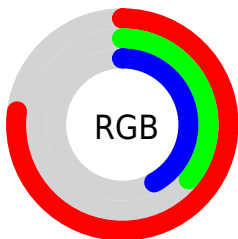
Format	Color
R_{YB}	196, 91, 108
Decimal	12868460
CIE _{Lab}	52.18, 43.57, 10.77
CIE _{LCh}	52, 44.881, 13.889
Yxy	20.3006, 0.4421, 0.3072
Android (android.graphics.Color)	4291058540 (0xFFC45B6C)
YUV	124.3330, -8.0522, 62.8520
Hunter-Lab	45.0562, 36.8846, 9.7398

Details

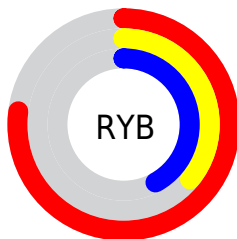
The XYZ color **29.2128, 20.3006, 16.5661** is a dark color, and the websafe version is hex **CC6666**. The color can be described as dark muted rose. A complement of this color would be **32.1921, 44.9591, 49.6318**, and the grayscale version is **19.2826, 20.2868, 22.0923**.

A 20% lighter version of the original color is **57.4713, 43.7097, 38.2086**, and **12.0167, 7.1264, 5.1571** is the 20% darker color. If you saturate the color by 10%, you get **26.9572, 17.0593, 11.8997**, and if you desaturate by 10%, it is **32.0717, 24.4849, 22.2468**.

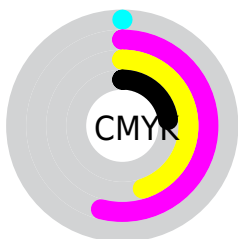
Distribution



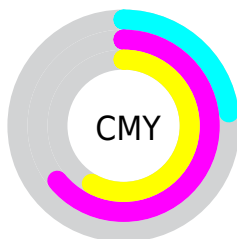
- Red (77%)
- Green (36%)
- Blue (42%)



- Red (77%)
- Yellow (36%)
- Blue (42%)



- Cyan (0%)
- Magenta (54%)
- Yellow (45%)
- Black (23%)



- Cyan (23%)
- Magenta (64%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.2128, 20.3006, 16.5661 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 29.2128, 20.3006, 16.5661 by changing the saturation by 10% instead.

■ 29.2128, 20.3006,
16.5661

■ 29.2128, 20.3006,
16.5661

290.1938,
253.5378, 244.6181

■ 19.3870, 12.6137,
9.7669

■ 57.8102, 43.9206,
38.3586

■ 12.0559, 7.1631,
5.1411

■ 77.3125, 60.6225,
54.1890

■ 6.8542, 3.5643,
2.2701

■ 100.7710, 81.0982,
73.8670

■ 3.4166, 1.4330,
0.7144

■ 128.5511,
105.7322, 97.8109

■ 1.3777, 0.2408,
0.0000

161.0180,
134.9087, 126.4395

■ 0.2403, 0.0000,
0.0000

198.5372,

■ 0.0000, 0.0000,

169.0122, 160.1712

0.0000

241.4740,
208.4271, 199.4245

■ 29.2128, 20.3006,
16.5661

■ 29.2128, 20.3006,
16.5661

■ 26.9572, 17.0593,
11.8997

■ 32.0717, 24.4849,
22.2468

■ 25.2593, 14.6844,
8.1859

■ 35.5720, 29.6746,
28.9960

■ 24.0691, 13.0928,
5.3581

■ 39.7503, 35.9306,
36.8654

■ 23.3270, 12.1829,
3.3400

■ 44.6403, 43.3077,
45.9030

■ 23.0219, 11.8385,
2.4187

■ 50.2731, 51.8572,
56.1541

■ 56.6782, 61.6273,
67.6613

■ 63.8833, 72.6632,
80.4654

■ 71.9148, 85.0081,
94.6052

■ 76.5749, 90.4757,
108.0354

Harmonies

Analogous

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



29.0960, 20.3006, 29.9007



29.2128, 20.3006, 16.5661



26.3936, 20.3006, 8.7872

Triad

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



29.2128, 20.3006, 16.5661



13.7921, 20.3006, 8.4172



16.9443, 20.3006, 56.4433

Complementary

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



29.2128, 20.3006, 16.5661



32.1921, 44.9591, 49.6318

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.



13.5993, 20.3006, 44.7135



29.2128, 20.3006, 16.5661



11.9868, 20.3006, 15.7960

Square

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



29.2128, 20.3006, 16.5661



17.2498, 20.3006, 5.5096



11.9223, 20.3006, 28.7558



21.4961, 20.3006, 56.9193

Rectangle

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



29.2128, 20.3006, 16.5661



23.4534, 20.3006, 6.2726



11.9223, 20.3006, 28.7558



15.6599, 20.3006, 53.5254

Sweetspot

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



29.2133, 20.3017, 16.5665



78.3623, 74.6645, 78.5514



32.1806, 20.9930, 54.5804



16.3689, 15.3715, 16.0683



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.



29.2133, 20.3017, 16.5665



48.3327, 30.1928, 20.4874



32.1149, 27.4139, 13.4977



10.1382, 10.1039, 10.8184



14.8140, 7.6154, 1.6666



0.6614, 0.3376, 0.1844

Inverse Universe

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



29.2133, 20.3017, 16.5665



48.3327, 30.1928, 20.4874



27.0240, 31.7004, 56.9189



10.1382, 10.1039, 10.8184



14.8140, 7.6154, 1.6666



0.6614, 0.3376, 0.1844

Previews

White Background



This preview shows how the XYZ color 29.2128, 20.3006, 16.5661 looks on a white background.

Color Contrast Check

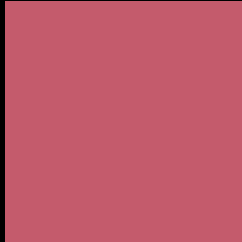
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.2128, 20.3006, 16.5661 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 29.2128, 20.3006, 16.5661

Background



This preview shows how black text looks on a background with the XYZ color 29.2128, 20.3006, 16.5661.



This preview shows how white text looks on a background with the XYZ color 29.2128, 20.3006,

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

29.2128, 20.3006, 16.5661

Protanopia

19.7259, 20.4337, 22.6431

Deuteranopia

20.8417, 20.4320, 15.6772



Tritanopia

28.6722, 20.3317, 14.2176

Trichromacy



Original Color

29.2128, 20.3006, 16.5661

Protanomaly

22.0728, 19.5957, 20.0717

Deuteranomaly

23.3283, 19.8497, 15.9664

Tritanomaly

28.7311, 20.2157, 14.9581

Monochromacy



Original Color

29.2128, 20.3006, 16.5661

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

21.6419, 19.3804, 19.7397

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.2128, 20.3006, 16.5661 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(196, 91, 108)` looks like.

```
.text, #text, p{  
    color:rgb(196, 91, 108)  
}
```

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(196, 91, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 91, 108) }
```

Border

The CSS property to change the border of an element to XYZ 29.2128, 20.3006, 16.5661 is called "border". The border property can be set on classes, ids or directly on the HTML element.

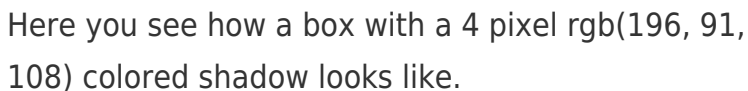
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(196, 91, 108) }
```


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

```
.border{ border-color:rgb(196, 91, 108) }
```

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



Here you see how a box with a 4 pixel `rgb(196, 91, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(196, 91, 108); -webkit-box-shadow:4px 4px 4px 4px rgb(196, 91, 108); box-shadow:4px 4px 4px 4px rgb(196, 91, 108) }
```

Background

The CSS property to change the background color of an element to XYZ 29.2128, 20.3006, 16.5661 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 91, 108) }
```

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

```
.background{ background-color: rgb(196, 91,  
108) }
```

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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