

Converting Colors

XYZ(29.6916, 20.7700, 18.2293)

Have a look what the booklet for
XYZ(29.6916, 20.7700, 18.2293)
contains.

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Color

**XYZ(29.7166, 20.7794,
18.3642)**

Conversions

Conversions Part 1

Format	Color
Hex	C45D72
RGB	196, 93, 114
RGB Percent	77%, 36%, 45%
CMY	0.2314, 0.6353, 0.5529
CMYK	0.00, 0.53, 0.42, 0.23
HSL	348°, 47%, 57%
HSV	348°, 53%, 77%
XYZ	29.7166, 20.7794, 18.3642
YIQ	126.1910, 54.6470, 28.3670

Conversions

Conversions Part 2

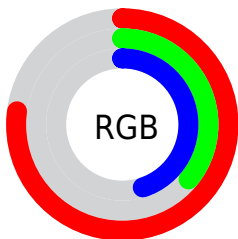
Format	Color
RYB	196, 93, 114
Decimal	12868978
CIELab	52.71, 43.21, 7.96
CIELCh	53, 43.932, 10.438
Yxy	20.7794, 0.4315, 0.3018
Android (android.graphics.Color)	4291059058 (0xFFC45D72)
YUV	126.1910, -6.0102, 61.2225
Hunter-Lab	45.5844, 36.5918, 8.0235

Details

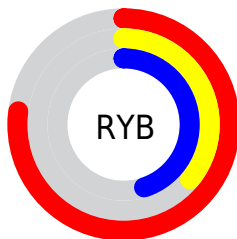
The XYZ color **29.7166, 20.7794, 18.3642** is a dark color, and the websafe version is hex **CC6666**. The color can be described as middle muted rose. A complement of this color would be **31.9932, 44.9027, 47.5411**, and the grayscale version is **19.9037, 20.9402, 22.8039**.

A 20% lighter version of the original color is **58.4018, 44.5709, 41.6013**, and **12.2575, 7.3825, 5.9332** is the 20% darker color. If you saturate the color by 10%, you get **27.3976, 17.4437, 13.5765**, and if you desaturate by 10%, it is **32.6291, 25.0595, 24.0977**.

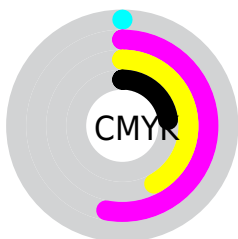
Distribution



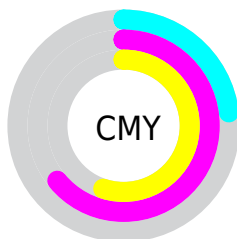
- Red (77%)
- Green (36%)
- Blue (45%)



- Red (77%)
- Yellow (36%)
- Blue (45%)



- Cyan (0%)
- Magenta (53%)
- Yellow (42%)
- Black (23%)



- Cyan (23%)
- Magenta (64%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.7166, 20.7794, 18.3642 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 29.7166, 20.7794, 18.3642 by changing the saturation by 10% instead.

■ 29.7166, 20.7794,
18.3642

■ 29.7166, 20.7794,
18.3642

292.5148,
256.1038, 255.2206

■ 19.7706, 12.9628,
11.0396

■ 58.6034, 44.7201,
41.4792

■ 12.3357, 7.4030,
5.9790

■ 78.2749, 61.6130,
58.1068

■ 7.0465, 3.7154,
2.7637

■ 101.9190, 82.3002,
78.6724

■ 3.5378, 1.5157,
0.9753

■ 129.9009,
107.1661, 103.5946

■ 1.4441, 0.2997,
0.0000

162.5861,
136.5950, 133.2921

■ 0.2873, 0.0000,
0.0000

200.3399,

■ 0.0000, 0.0000,

170.9713, 168.1832

0.0000

243.5277,
210.6794, 208.6865

■ 29.7166, 20.7794,
18.3642

■ 29.7166, 20.7794,
18.3642

■ 27.3976, 17.4437,
13.5765

■ 32.6291, 25.0595,
24.0977

■ 25.6284, 14.9774,
9.6816

■ 36.1713, 30.3451,
30.8238

■ 24.3616, 13.2991,
6.6226

■ 40.3785, 36.6961,
38.5875

■ 23.5407, 12.3106,
4.3351

■ 45.2828, 44.1665,
47.4306

■ 23.1472, 11.8886,
3.0781

■ 50.9142, 52.8069,
57.3925

■ 57.3010, 62.6647,
68.5108

■ 64.4700, 73.7846,
80.8211

■ 72.4465, 86.2090,
94.3578

■ 76.4854, 90.4399,
107.5637

Harmonies

Analogous

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



29.2440, 20.7794, 32.1434



29.7166, 20.7794, 18.3642



27.2236, 20.7794, 9.9104

Triad

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



29.7166, 20.7794, 18.3642



14.5801, 20.7794, 8.3654



16.9510, 20.7794, 55.5991

Complementary

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



29.7166, 20.7794, 18.3642



31.9932, 44.9027, 47.5411

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.



13.7874, 20.7794, 43.1952



29.7166, 20.7794, 18.3642



12.5718, 20.7794, 15.2002

Square

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



29.7166, 20.7794, 18.3642



18.2002, 20.7794, 5.8007



12.3059, 20.7794, 27.4991



21.3858, 20.7794, 57.5077

Rectangle

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



29.7166, 20.7794, 18.3642



24.4117, 20.7794, 7.0333



12.3059, 20.7794, 27.4991



15.7234, 20.7794, 52.3434

Sweetspot

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



29.7171, 20.7805, 18.3646



78.5914, 74.7561, 79.7581



31.2641, 20.7778, 54.5873



16.4228, 15.3931, 16.3525



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.



29.7171, 20.7805, 18.3646



49.1110, 30.8626, 23.4806



31.7236, 26.4914, 13.7987



10.1553, 10.1107, 10.9084



14.8985, 7.6491, 2.1116



0.6690, 0.3406, 0.2245

Inverse Universe

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



29.7171, 20.7805, 18.3646



49.1110, 30.8626, 23.4806



28.2641, 33.8839, 57.2751



10.1553, 10.1107, 10.9084



14.8985, 7.6491, 2.1116



0.6690, 0.3406, 0.2245

Previews

White Background



This preview shows how the XYZ color 29.7166, 20.7794, 18.3642 looks on a white background.

Color Contrast Check

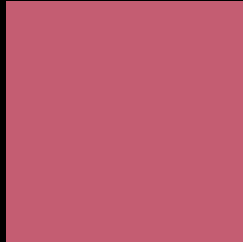
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.7166, 20.7794, 18.3642 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 29.7166, 20.7794, 18.3642

Background



This preview shows how black text looks on a background with the XYZ color 29.7166, 20.7794, 18.3642.



This preview shows how white text looks on a background with the XYZ color 29.7166, 20.7794,

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

29.7166, 20.7794, 18.3642

Protanopia

20.3781, 21.0997, 24.8284

Deuteranopia

21.3969, 21.0429, 17.4020



Tritanopia

28.9962, 20.7458, 15.0465

Trichromacy



Original Color

29.7166, 20.7794, 18.3642

Protanomaly

22.6679, 20.1907, 22.1045

Deuteranomaly

23.8635, 20.4091, 17.7205

Tritanomaly

29.1099, 20.6481, 16.0869

Monochromacy



Original Color

29.7166, 20.7794, 18.3642

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

22.2927, 20.0191, 21.1015

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7166, 20.7794, 18.3642 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, 93, 114)` looks like.

```
.text, #text, p{  
    color:rgb(196, 93, 114)  
}
```

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, 93, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 93, 114) }
```

Border

The CSS property to change the border of an element to XYZ 29.7166, 20.7794, 18.3642 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, 93, 114) }
```


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

```
.border{ border-color:rgb(196, 93, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 93, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 93, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 93, 114);  
box-shadow:4px 4px 4px 4px rgb(196, 93,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7166, 20.7794, 18.3642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 93, 114) }
```

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

```
.background{ background-color: rgb(196, 93,  
114) }
```

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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