

Converting Colors

XYZ(28.7988, 19.7934, 12.8923)

Have a look what the booklet for
XYZ(28.7988, 19.7934, 12.8923)
contains.

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Color

**XYZ(28.7988, 19.7934,
12.8923)**

Conversions

Conversions Part 1

Format	Color
Hex	C6585E
RGB	198, 88, 94
RGB Percent	78%, 35%, 37%
CMY	0.2235, 0.6549, 0.6314
CMYK	0.00, 0.56, 0.53, 0.22
HSL	357°, 49%, 56%
HSV	357°, 56%, 78%
XYZ	28.7988, 19.7934, 12.8923
YIQ	121.5740, 63.6340, 25.1860

Conversions

Conversions Part 2

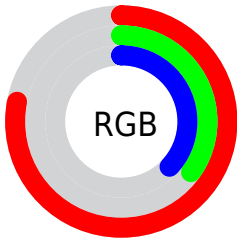
Format	Color
R_YB	198, 88, 94
Decimal	12998750
CIE _{Lab}	51.60, 44.44, 18.35
CIE _{LCh}	52, 48.074, 22.435
Yxy	19.7934, 0.4684, 0.3219
Android (android.graphics.Color)	4291188830 (0xFFC6585E)
YUV	121.5740, -13.5940, 67.0256
Hunter-Lab	44.4898, 37.6882, 13.9617

Details

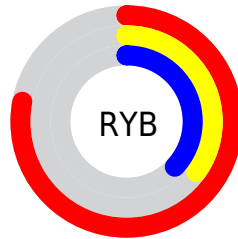
The XYZ color **28.7988, 19.7934, 12.8923** is a dark color, and the websafe version is hex **CC6666**. The color can be described as dark muted red. A complement of this color would be **33.7342, 46.2690, 57.0254**, and the grayscale version is **18.3890, 19.3466, 21.0685**.

A 20% lighter version of the original color is **55.7989, 42.3234, 31.6139**, and **11.7820, 6.9044, 3.5080** is the 20% darker color. If you saturate the color by 10%, you get **26.6478, 16.6769, 8.5214**, and if you desaturate by 10%, it is **31.5958, 23.8761, 18.4840**.

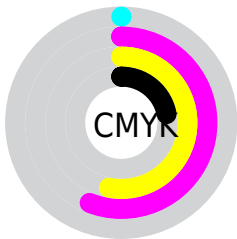
Distribution



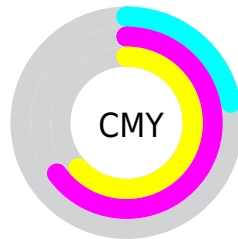
- Red (78%)
- Green (35%)
- Blue (37%)



- Red (78%)
- Yellow (35%)
- Blue (37%)



- Cyan (0%)
- Magenta (56%)
- Yellow (53%)
- Black (22%)





- Cyan (22%)
- Magenta (65%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.7988, 19.7934, 12.8923 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 28.7988, 19.7934, 12.8923 by changing the saturation by 10% instead.


 28.7988, 19.7934,
12.8923


 28.7988, 19.7934,
12.8923


288.2758,
250.7945, 221.4098


 19.0722, 12.2450,
7.2246


 57.1570, 43.0705,
31.7985

 11.8268, 6.9107,
3.5224


 76.5194, 59.5680,
45.8741

 6.6972, 3.4063,
1.3672

 99.8243, 79.8173,
63.5893

 3.3181, 1.3474,
0.1159

 127.4373,
104.2028, 85.3628

 1.3241, 0.1774,
0.0000

159.7235,
133.1088, 111.6130

 0.2012, 0.0000,
0.0000

197.0485,

 0.0000, 0.0000,

166.9199, 142.7586

0.0000

239.7774,
206.0203, 179.2180

■ 28.7988, 19.7934,
12.8923

■ 28.7988, 19.7934,
12.8923

■ 26.6478, 16.6769,
8.5214

■ 31.5958, 23.8761,
18.4840

■ 25.0898, 14.4441,
5.2790

■ 35.0834, 28.9924,
25.3774

■ 24.0656, 13.0042,
3.0617

■ 39.3039, 35.2072,
33.6475

■ 23.5027, 12.2443,
1.7460

■ 44.2958, 42.5792,
43.3634

■ 23.3478, 12.0294,
1.4016

■ 50.0950, 51.1631,
54.5896

■ 56.7349, 61.0099,
67.3867

■ 64.2473, 72.1678,
81.8119

■ 72.6622, 84.6825,
97.9197

■ 77.0986, 90.7457,
108.0599

Harmonies

Analogous

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



29.6353, 19.7934, 25.2562



28.7988, 19.7934, 12.8923



25.0799, 19.7934, 6.5712

Triad

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



28.7988, 19.7934, 12.8923



12.3554, 19.7934, 9.0393



17.6137, 19.7934, 60.2680

Complementary

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



28.7988, 19.7934, 12.8923



33.7342, 46.2690, 57.0254

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.



13.6881, 19.7934, 50.3538



28.7988, 19.7934, 12.8923



11.0100, 19.7934, 18.2283

Square

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



28.7988, 19.7934, 12.8923



15.4785, 19.7934, 5.1058



11.4522, 19.7934, 33.4150



22.5951, 19.7934, 56.7914

Rectangle

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



28.7988, 19.7934, 12.8923



21.7652, 19.7934, 4.8147



11.4522, 19.7934, 33.4150



16.1406, 19.7934, 58.2831

Sweetspot

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



28.7993, 19.7945, 12.8926



76.8352, 73.0278, 73.6726



35.0854, 22.0910, 55.8406



16.0462, 15.0404, 14.9921



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.



28.7993, 19.7945, 12.8926



46.4182, 28.4224, 13.5026



33.8081, 30.2260, 13.2864



10.6569, 10.6461, 11.1766



15.1940, 7.8271, 0.9654



0.7278, 0.3740, 0.0897

Inverse Universe

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



28.7993, 19.7945, 12.8926



46.4182, 28.4224, 13.5026



25.1782, 28.0724, 57.5173



10.6569, 10.6461, 11.1766



15.1940, 7.8271, 0.9654



0.7278, 0.3740, 0.0897

Previews

White Background



This preview shows how the XYZ color 28.7988, 19.7934, 12.8923 looks on a white background.

Color Contrast Check

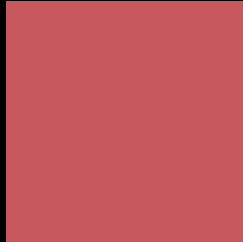
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.7988, 19.7934, 12.8923 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

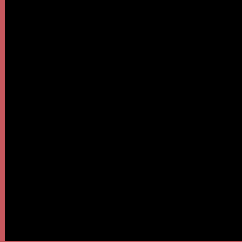
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.7988, 19.7934, 12.8923

Background



This preview shows how black text looks on a background with the XYZ color 28.7988, 19.7934, 12.8923.



This preview shows how white text looks on a background with the XYZ color 28.7988, 19.7934,

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

28.7988, 19.7934, 12.8923

Protanopia

19.0055, 19.9807, 17.8939

Deuteranopia

20.3142, 19.8812, 12.2180



Tritanopia

28.7988, 19.7934, 12.8923

Trichromacy



Original Color

28.7988, 19.7934, 12.8923

Protanomaly

21.4522, 19.0418, 15.9094

Deuteranomaly

22.8719, 19.3777, 12.4323

Tritanomaly

28.7988, 19.7934, 12.8923

Monochromacy



Original Color

28.7988, 19.7934, 12.8923

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

21.0782, 18.8057, 17.8482

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.7988, 19.7934, 12.8923 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(198, 88, 94)` looks like.

```
.text, #text, p{  
    color:rgb(198, 88, 94)  
}
```

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(198, 88, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 88, 94) }
```

Border

The CSS property to change the border of an element to XYZ 28.7988, 19.7934, 12.8923 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(198, 88, 94) }
```


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

```
.border{ border-color:rgb(198, 88, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 88, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 88, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 88, 94);  
box-shadow:4px 4px 4px 4px rgb(198, 88,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 28.7988, 19.7934, 12.8923 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 88, 94) }
```

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

```
.background{ background-color: rgb(198, 88,  
94) }
```

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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