

Converting Colors

XYZ(29.8896, 23.8473, 18.6802)

Have a look what the booklet for
XYZ(29.8896, 23.8473, 18.6802)
contains.

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Color

**XYZ(29.8720, 23.8213,
18.6463)**

Conversions

Conversions Part 1

Format	Color
Hex	BD7171
RGB	189, 113, 113
RGB Percent	74%, 44%, 44%
CMY	0.2588, 0.5568, 0.5569
CMYK	0.00, 0.40, 0.40, 0.26
HSL	0°, 37%, 59%
HSV	0°, 40%, 74%
XYZ	29.8720, 23.8213, 18.6463
YIQ	135.7240, 45.2960, 16.1120

Conversions

Conversions Part 2

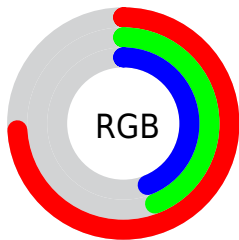
Format	Color
R _Y B	189, 113, 113
Decimal	12415345
CIE Lab	55.91, 30.00, 12.92
CIE LCh	56, 32.660, 23.295
Yxy	23.8213, 0.4129, 0.3293
Android (android.graphics.Color)	4290605425 (0xFFBD7171)
YUV	135.7240, -11.2029, 46.7231
Hunter-Lab	48.8071, 23.8372, 11.5137

Details

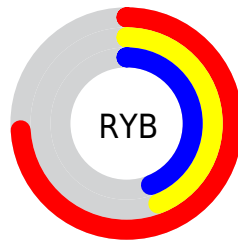
The XYZ color **29.8720, 23.8213, 18.6463** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **34.1921, 43.5781, 54.7533**, and the grayscale version is **23.3278, 24.5427, 26.7270**.

A 20% lighter version of the original color is **58.7855, 49.7632, 42.1042**, and **12.4045, 8.9232, 6.0696** is the 20% darker color. If you saturate the color by 10%, you get **27.0233, 19.6531, 12.9825**, and if you desaturate by 10%, it is **33.3826, 28.9586, 25.6243**.

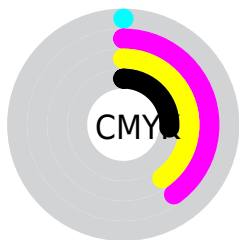
Distribution



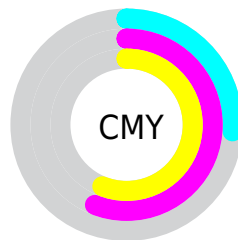
- Red (74%)
- Green (44%)
- Blue (44%)



- Red (74%)
- Yellow (44%)
- Blue (44%)



- Cyan (0%)
- Magenta (40%)
- Yellow (40%)
- Black (26%)



- Cyan (26%)
- Magenta (56%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.8720, 23.8213, 18.6463 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 29.8720, 23.8213, 18.6463 by changing the saturation by 10% instead.

■ 29.8720, 23.8213,
18.6463

■ 29.8720, 23.8213,
18.6463

293.2279,
271.9158, 256.8464

■ 19.8890, 15.2011,
11.2408

■ 58.8477, 49.7384,
41.9643

■ 12.4222, 8.9607,
6.1128

■ 78.5712, 67.8042,
58.7138

■ 7.1061, 4.7155,
2.8439

■ 102.2722, 89.7872,
79.4151

■ 3.5755, 2.0813,
1.0155

■ 130.3161,
116.0719, 104.4866

■ 1.4649, 0.6541,
0.0000

163.0683,
147.0428, 134.3470

■ 0.3018, 0.0000,
0.0000

200.8941,

■ 0.0000, 0.0000,

183.0841, 169.4147

0.0000

244.1588,
224.5803, 210.1084

■ 29.8720, 23.8213,
18.6463

■ 29.8720, 23.8213,
18.6463

■ 27.0233, 19.6531,
12.9825

■ 33.3826, 28.9586,
25.6243

■ 24.7933, 16.3899,
8.5495

■ 37.5909, 35.1165,
33.9903

■ 23.1366, 13.9656,
5.2563


■ 42.5325, 42.3476,
43.8141


■ 22.0009, 12.3037,
2.9987


■ 48.2401, 50.6993,
55.1606


■ 21.3242, 11.3135,
1.6538

■ 54.7441, 60.2165,
68.0906

 20.9864, 10.8190,
0.9822

 62.0736, 70.9415,
82.6616

 70.2561, 82.9147,
98.9283

 74.7962, 89.5588,
107.9521

Harmonies

Analogous

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



30.5196, 23.8213, 28.4050



29.8720, 23.8213, 18.6463



27.1944, 23.8213, 12.7301

Triad

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



29.8720, 23.8213, 18.6463



17.3744, 23.8213, 15.5136



21.8160, 23.8213, 52.0856

Complementary

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



29.8720, 23.8213, 18.6463



34.1921, 43.5781, 54.7533

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.



18.6273, 23.8213, 46.0860



29.8720, 23.8213, 18.6463



16.2511, 23.8213, 23.6169

Square

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



29.8720, 23.8213, 18.6463



19.9273, 23.8213, 11.2983



16.6833, 23.8213, 34.9173



25.5915, 23.8213, 49.6869

Rectangle

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



29.8720, 23.8213, 18.6463



24.7617, 23.8213, 10.8415



16.6833, 23.8213, 34.9173



20.6458, 23.8213, 50.9404

Sweetspot

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



29.8726, 23.8225, 18.6468



74.3157, 73.1226, 74.7732



36.0767, 26.3033, 51.3196



15.7248, 15.3494, 15.5698



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



29.8726, 23.8225, 18.6468



49.0651, 36.1736, 24.5762



35.0336, 34.1444, 20.3671



9.5302, 9.5365, 9.9151



14.1203, 7.2794, 0.6608



0.5531, 0.2852, 0.0259

Inverse Universe

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



34.1921, 43.5781, 54.7533



57.8373, 76.2949, 97.9042



27.0621, 29.3182, 52.3767



9.8086, 10.8095, 12.2417



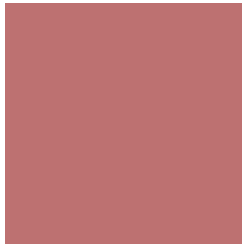
18.4225, 26.9568, 36.6251



0.7216, 1.0559, 1.4346

Previews

White Background



This preview shows how the XYZ color 29.8720, 23.8213, 18.6463 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 29.8720, 23.8213, 18.6463 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

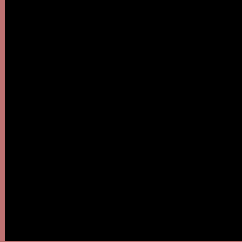
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.8720, 23.8213, 18.6463

Background



This preview shows how black text looks on a background with the XYZ color 29.8720, 23.8213, 18.6463.



This preview shows how white text looks on a background with the XYZ color 29.8720, 23.8213,

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

29.8720, 23.8213, 18.6463

Protanopia

22.8106, 23.9944, 22.4979

Deuteranopia

24.3750, 23.8942, 18.0792



Tritanopia

30.4195, 23.8916, 20.7775

Trichromacy



Original Color

29.8720, 23.8213, 18.6463

Protanomaly

24.7556, 23.4459, 20.9900

Deuteranomaly

26.1007, 23.6384, 18.2259

Tritanomaly

30.2403, 23.8198, 19.8335

Monochromacy



Original Color

29.8720, 23.8213, 18.6463

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

25.1330, 23.9654, 23.7232

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8720, 23.8213, 18.6463 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(189, 113, 113)` looks like.

```
.text, #text, p{  
    color:rgb(189, 113, 113)  
}
```

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(189, 113, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 113, 113) }
```

Border

The CSS property to change the border of an element to XYZ 29.8720, 23.8213, 18.6463 is called "border". The border property can be set on classes, ids or directly on the HTML element.

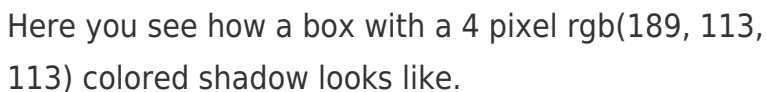
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(189, 113, 113) }
```


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

```
.border{ border-color:rgb(189, 113, 113) }
```

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



Here you see how a box with a 4 pixel `rgb(189, 113, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(189, 113, 113); -webkit-box-shadow:4px 4px 4px 4px rgb(189, 113, 113); box-shadow:4px 4px 4px 4px rgb(189, 113, 113) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8720, 23.8213, 18.6463 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 113, 113) }
```

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

```
.background{ background-color: rgb(189,  
113, 113) }
```

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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