

Converting Colors

XYZ(23.9557, 16.7878, 12.7879)

Have a look what the booklet for
XYZ(23.9557, 16.7878, 12.7879)
contains.

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Color

**XYZ(24.0583, 16.8702,
12.8147)**

Conversions

Conversions Part 1

Format	Color
Hex	B4545F
RGB	180, 84, 95
RGB Percent	71%, 33%, 37%
CMY	0.2941, 0.6706, 0.6274
CMYK	0.00, 0.53, 0.47, 0.29
HSL	353°, 39%, 52%
HSV	353°, 53%, 71%
XYZ	24.0583, 16.8702, 12.8147
YIQ	113.9580, 53.6850, 23.7730

Conversions

Conversions Part 2

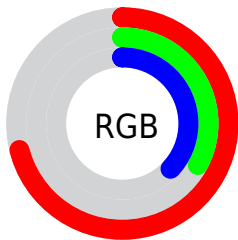
Format	Color
R_{YB}	180, 84, 95
Decimal	11818079
CIE _{Lab}	48.10, 40.01, 12.50
CIE _{LCh}	48, 41.916, 17.348
Yxy	16.8702, 0.4477, 0.3139
Android (android.graphics.Color)	4290008159 (0xFFB4545F)
YUV	113.9580, -9.3463, 57.9188
Hunter-Lab	41.0733, 32.6762, 10.2531

Details

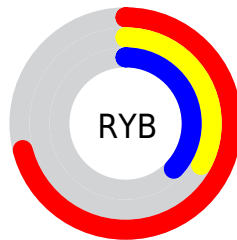
The XYZ color **24.0583, 16.8702, 12.8147** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **27.1399, 37.3923, 43.3258**, and the grayscale version is **15.9981, 16.8312, 18.3292**.

A 20% lighter version of the original color is **49.5116, 38.0034, 31.5139**, and **9.2393, 5.4657, 3.4738** is the 20% darker color. If you saturate the color by 10%, you get **22.1845, 14.1658, 8.9740**, and if you desaturate by 10%, it is **26.4402, 20.3535, 17.5564**.

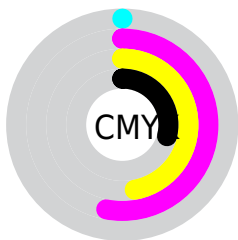
Distribution



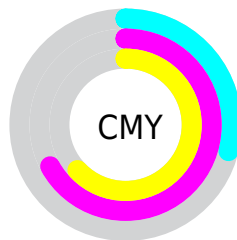
- Red (71%)
- Green (33%)
- Blue (37%)



- Red (71%)
- Yellow (33%)
- Blue (37%)



- Cyan (0%)
- Magenta (53%)
- Yellow (47%)
- Black (29%)





- Cyan (29%)
- Magenta (67%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.0583, 16.8702, 12.8147 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 24.0583, 16.8702, 12.8147 by changing the saturation by 10% instead.


 24.0583, 16.8702,
12.8147


 24.0583, 16.8702,
12.8147


265.5501,
234.4233, 220.8926


 15.5018, 10.1420,
7.1718


 49.5793, 38.1025,
31.6568


 9.2609, 5.4932,
3.4897


 67.2746, 53.3753,
45.6931


 4.9702, 2.5394,
1.3498

 88.7468, 72.2652,
63.3643

 2.2644, 0.8963,
0.1021

 114.3614, 95.1564,
85.0889

 0.7764, 0.0000,
0.0000

 144.4836,
122.4335, 111.2855

 0.0000, 0.0000,
0.0000

179.4789,

154.4807, 142.3727

219.7126,
191.6825, 178.7688

■ 24.0583, 16.8702,
12.8147

■ 24.0583, 16.8702,
12.8147

■ 22.1845, 14.1658,
8.9740

■ 26.4402, 20.3535,
17.5564

■ 20.7802, 12.1779,
5.9761

■ 29.3623, 24.6668,
23.2504

■ 19.8036, 10.8389,
3.7573

■ 32.8557, 29.8595,
29.9452

■ 19.2045, 10.0666,
2.2443

■ 36.9485, 35.9769,
37.6859

■ 18.9542, 9.7560,
1.5750

■ 41.6672, 43.0607,
46.5147

■ 47.0367, 51.1505,
56.4714

■ 53.0803, 60.2833,
67.5939

■ 59.8203, 70.4945,
79.9184

■ 67.2781, 81.8177,
93.4793

Harmonies

Analogous

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



24.2617, 16.8702, 23.3375



24.0583, 16.8702, 12.8147



21.5051, 16.8702, 6.8857

Triad

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



24.0583, 16.8702, 12.8147



11.2436, 16.8702, 7.5348



14.4887, 16.8702, 47.2412

Complementary

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



24.0583, 16.8702, 12.8147



27.1399, 37.3923, 43.3258

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.



11.5807, 16.8702, 38.4287



24.0583, 16.8702, 12.8147



9.9158, 16.8702, 14.1606

Square

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



24.0583, 16.8702, 12.8147



13.9554, 16.8702, 4.7694



10.0286, 16.8702, 25.3326



18.3107, 16.8702, 46.4139

Rectangle

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



24.0583, 16.8702, 12.8147



19.0128, 16.8702, 5.0437



10.0286, 16.8702, 25.3326



13.3849, 16.8702, 45.1976

Sweetspot

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



24.0587, 16.8711, 12.8150



64.6952, 61.7899, 63.9994



27.7284, 18.0498, 45.2025



13.6540, 12.8631, 13.2112



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



24.0587, 16.8711, 12.8150



39.7159, 24.9583, 15.2044



27.2364, 23.9705, 11.5800



8.5346, 8.5206, 9.0478



13.2422, 6.8144, 1.1694



0.4293, 0.2195, 0.1036

Inverse Universe

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



24.0587, 16.8711, 12.8150



39.7159, 24.9583, 15.2044



21.7477, 24.8861, 46.8372



8.5346, 8.5206, 9.0478



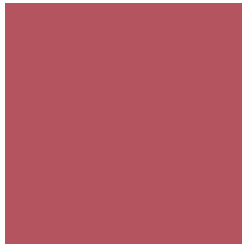
13.2422, 6.8144, 1.1694



0.4293, 0.2195, 0.1036

Previews

White Background



This preview shows how the XYZ color 24.0583, 16.8702, 12.8147 looks on a white background.

Color Contrast Check

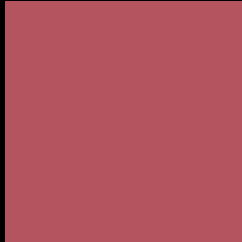
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 24.0583, 16.8702, 12.8147 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

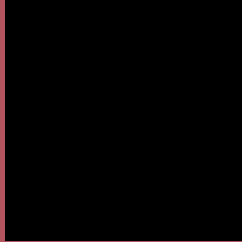
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.0583, 16.8702, 12.8147

Background



This preview shows how black text looks on a background with the XYZ color 24.0583, 16.8702, 12.8147.



This preview shows how white text looks on a background with the XYZ color 24.0583, 16.8702,

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

24.0583, 16.8702, 12.8147

Protanopia

16.3030, 17.0120, 17.1762

Deuteranopia

17.2958, 16.9755, 12.2625



Tritanopia

23.9592, 16.9556, 11.9075

Trichromacy



Original Color

24.0583, 16.8702, 12.8147

Protanomaly

18.3846, 16.3831, 15.5579

Deuteranomaly

19.3479, 16.6594, 12.3210

Tritanomaly

24.0027, 16.9730, 12.1363

Monochromacy



Original Color

24.0583, 16.8702, 12.8147

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

17.9853, 16.1653, 16.0822

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.0583, 16.8702, 12.8147 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(180, 84, 95)` looks like.

```
.text, #text, p{  
    color:rgb(180, 84, 95)  
}
```

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(180, 84, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 84, 95) }
```

Border

The CSS property to change the border of an element to XYZ 24.0583, 16.8702, 12.8147 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(180, 84, 95) }
```


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

```
.border{ border-color:rgb(180, 84, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 84, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 84, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 84, 95);  
box-shadow:4px 4px 4px 4px rgb(180, 84,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 24.0583, 16.8702, 12.8147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 84, 95) }
```

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

```
.background{ background-color: rgb(180, 84,  
95) }
```

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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