

Converting Colors

XYZ(27.8219, 20.7312, 16.0947)

Have a look what the booklet for
XYZ(27.8219, 20.7312, 16.0947)
contains.

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Color

**XYZ(27.8024, 20.6557,
16.1573)**

Conversions

Conversions Part 1

Format	Color
Hex	BC636A
RGB	188, 99, 106
RGB Percent	74%, 39%, 42%
CMY	0.2627, 0.6117, 0.5843
CMYK	0.00, 0.47, 0.44, 0.26
HSL	355°, 40%, 56%
HSV	355°, 47%, 74%
XYZ	27.8024, 20.6557, 16.1573
YIQ	126.4090, 50.7970, 21.0450

Conversions

Conversions Part 2

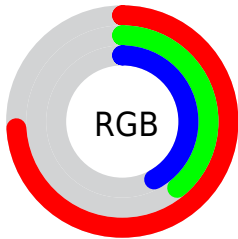
Format	Color
R_{YB}	188, 99, 106
Decimal	12346218
CIE _{Lab}	52.57, 36.35, 12.34
CIE _{LCh}	53, 38.383, 18.754
Yxy	20.6557, 0.4303, 0.3197
Android (android.graphics.Color)	4290536298 (0xFFBC636A)
YUV	126.4090, -10.0616, 54.0153
Hunter-Lab	45.4485, 29.6595, 10.7359

Details

The XYZ color **27.8024, 20.6557, 16.1573** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **31.4704, 41.9557, 50.1582**, and the grayscale version is **19.9923, 21.0334, 22.9054**.

A 20% lighter version of the original color is **55.6718, 44.6650, 37.5853**, and **11.2478, 7.3377, 4.9612** is the 20% darker color. If you saturate the color by 10%, you get **25.4124, 17.1747, 11.3563**, and if you desaturate by 10%, it is **30.7900, 25.0407, 22.0557**.

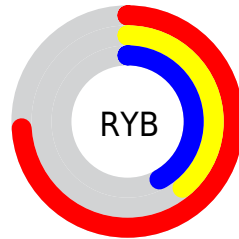
Distribution



Red (74%)

Green (39%)

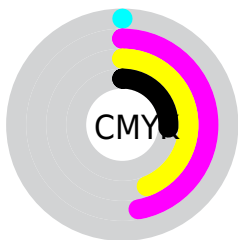
Blue (42%)



Red (74%)

Yellow (39%)

Blue (42%)

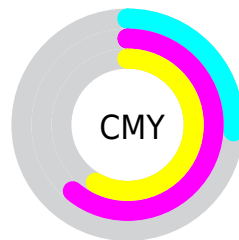


Cyan (0%)

Magenta (47%)

Yellow (44%)

Black (26%)



Cyan (26%)


Magenta (61%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.8024, 20.6557, 16.1573 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 27.8024, 20.6557, 16.1573 by changing the saturation by 10% instead.


 27.8024, 20.6557,
16.1573

 27.8024, 20.6557,
16.1573


283.6187,
255.4430, 242.1454


 18.3165, 12.8726,
9.4800


 55.5797, 44.5138,
37.6417


 11.2785, 7.3409,
4.9545


 74.6017, 61.3576,
53.2858

 6.3231, 3.6762,
2.1623


 97.5331, 81.9904,
72.7559

 3.0851, 1.4941,
0.6525

 124.7393,
106.7965, 96.4705

 1.1989, 0.2846,
0.0000

156.5856,
136.1605, 124.8483

 0.1055, 0.0000,
0.0000

193.4374,

 0.0000, 0.0000,

170.4666, 158.3077

0.0000

235.6600,
210.0993, 197.2672

■ 27.8024, 20.6557,
16.1573

■ 27.8024, 20.6557,
16.1573

■ 25.4124, 17.1747,
11.3563

■ 30.7900, 25.0407,
22.0557

■ 23.5783, 14.5318,
7.5836

■ 34.4101, 30.3833,
29.1122

■ 22.2552, 12.6572,
4.7643


■ 38.6967, 36.7368,
37.3846


■ 21.3910, 11.4684,
2.8128


■ 43.6812, 44.1496,
46.9264


■ 20.9142, 10.8484,
1.6253


■ 49.3926, 52.6668,
57.7880

 20.8236, 10.7252,
1.4163

 55.8586, 62.3311,
70.0171

 63.1053, 73.1829,
83.6588

 71.1574, 85.2607,
98.7563

 74.5490, 89.4313,
107.9406

Harmonies

Analogous

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



28.1306, 20.6557, 27.0387



27.8024, 20.6557, 16.1573



25.1194, 20.6557, 9.7135

Triad

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



27.8024, 20.6557, 16.1573



14.4249, 20.6557, 10.9192



18.1784, 20.6557, 51.5429

Complementary

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



27.8024, 20.6557, 16.1573



31.4704, 41.9557, 50.1582

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.



15.0093, 20.6557, 43.3087



27.8024, 20.6557, 16.1573



13.0457, 20.6557, 18.4834

Square

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



27.8024, 20.6557, 16.1573



17.2747, 20.6557, 7.4714



13.2441, 20.6557, 30.2941



22.1959, 20.6557, 50.2631

Rectangle

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



27.8024, 20.6557, 16.1573



22.5368, 20.6557, 7.6288



13.2441, 20.6557, 30.2941



16.9893, 20.6557, 49.7083

Sweetspot

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



27.8029, 20.6568, 16.1577



72.8020, 70.5462, 72.8782



32.4980, 22.3291, 50.1739



15.2538, 14.5734, 14.9009



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.



27.8029, 20.6568, 16.1577



45.8308, 30.7999, 20.1231



31.8078, 29.2250, 15.7704



9.5598, 9.5482, 10.0709



14.1892, 7.3068, 1.0242



0.5663, 0.2904, 0.0953

Inverse Universe

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



27.8029, 20.6568, 16.1577



45.8308, 30.7999, 20.1231



25.2769, 28.3910, 51.7246



9.5598, 9.5482, 10.0709



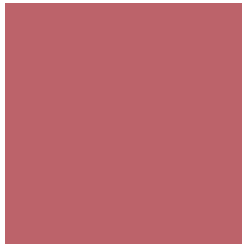
14.1892, 7.3068, 1.0242



0.5663, 0.2904, 0.0953

Previews

White Background



This preview shows how the XYZ color 27.8024, 20.6557, 16.1573 looks on a white background.

Color Contrast Check

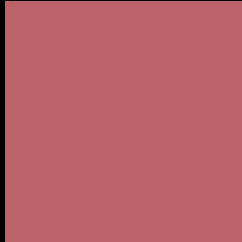
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.8024, 20.6557, 16.1573 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

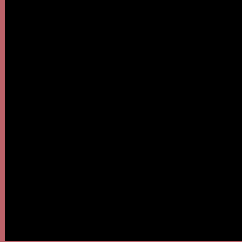
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 27.8024, 20.6557, 16.1573

Background



This preview shows how black text looks on a background with the XYZ color 27.8024, 20.6557, 16.1573.



This preview shows how white text looks on a background with the XYZ color 27.8024, 20.6557,

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

27.8024, 20.6557, 16.1573

Protanopia

19.9297, 20.7691, 20.7277

Deuteranopia

21.0897, 20.7450, 15.4630



Tritanopia

27.8024, 20.6557, 16.1573

Trichromacy



Original Color

27.8024, 20.6557, 16.1573

Protanomaly

22.1024, 20.3079, 18.9745

Deuteranomaly

23.0513, 20.3666, 15.5482

Tritanomaly

27.8024, 20.6557, 16.1573

Monochromacy



Original Color

27.8024, 20.6557, 16.1573

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

21.9696, 20.2123, 20.1962

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.8024, 20.6557, 16.1573 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(188, 99, 106)` looks like.

```
.text, #text, p{  
    color:rgb(188, 99, 106)  
}
```

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(188, 99, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 99, 106) }
```

Border

The CSS property to change the border of an element to XYZ 27.8024, 20.6557, 16.1573 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(188, 99, 106) }
```


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

```
.border{ border-color:rgb(188, 99, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 99, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 99, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 99, 106);  
box-shadow:4px 4px 4px 4px rgb(188, 99,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 27.8024, 20.6557, 16.1573 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 99, 106) }
```

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

```
.background{ background-color: rgb(188, 99,  
106) }
```

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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