

Converting Colors

XYZ(27.9307, 17.3859, 16.7762)

Have a look what the booklet for
XYZ(27.9307, 17.3859, 16.7762)
contains.

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Color

**XYZ(27.8327, 17.3680,
16.6373)**

Conversions

Conversions Part 1

Format	Color
Hex	C4476E
RGB	196, 71, 110
RGB Percent	77%, 28%, 43%
CMY	0.2314, 0.7215, 0.5686
CMYK	0.00, 0.64, 0.44, 0.23
HSL	341°, 51%, 52%
HSV	341°, 64%, 77%
XYZ	27.8327, 17.3680, 16.6373
YIQ	112.8210, 61.9810, 38.6290

Conversions

Conversions Part 2

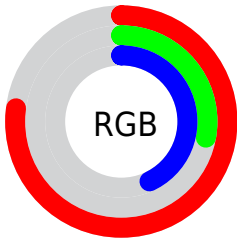
Format	Color
R_{YB}	196, 71, 110
Decimal	12863342
CIE _{Lab}	48.72, 53.06, 4.66
CIE _{LCh}	49, 53.266, 5.023
Yxy	17.3680, 0.4501, 0.2809
Android (android.graphics.Color)	4291053422 (0xFFC4476E)
YUV	112.8210, -1.3908, 72.9480
Hunter-Lab	41.6749, 46.2805, 5.5029

Details

The XYZ color **27.8327, 17.3680, 16.6373** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark muted rose. A complement of this color would be **28.4253, 43.2543, 38.7519**, and the grayscale version is **15.6349, 16.4491, 17.9131**.

A 20% lighter version of the original color is **55.1339, 38.7549, 38.2928**, and **11.3893, 5.7839, 5.2187** is the 20% darker color. If you saturate the color by 10%, you get **26.1018, 14.9932, 12.7094**, and if you desaturate by 10%, it is **30.0782, 20.5932, 21.2884**.

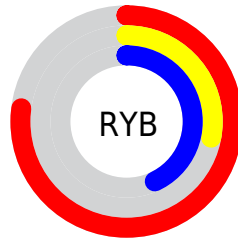
Distribution



Red (77%)

Green (28%)

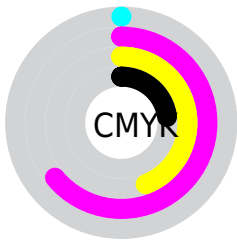
Blue (43%)



Red (77%)

Yellow (28%)

Blue (43%)

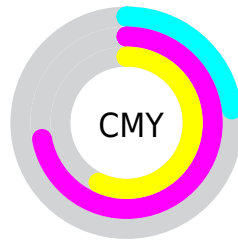


Cyan (0%)

Magenta (64%)

Yellow (44%)

Black (23%)



Cyan (23%)


Magenta (72%)


Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.8327, 17.3680, 16.6373 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 27.8327, 17.3680, 16.6373 by changing the saturation by 10% instead.


 27.8327, 17.3680,
16.6373


 27.8327, 17.3680,
16.6373


283.7612,
237.2842, 245.0463


 18.3394, 10.4972,
9.8170


 55.6277, 38.9574,
38.4832


 11.2951, 5.7299,
5.1738


 74.6602, 54.4448,
54.3458


 6.3344, 2.6815,
2.2891


 97.6031, 73.5733,
74.0597

 3.0921, 0.9678,
0.7251

 124.8217, 96.7271,
98.0434

 1.2026, 0.0000,
0.0000

 156.6815,
124.2907, 126.7153

 0.1084, 0.0000,
0.0000

193.5478,

 0.0000, 0.0000,

156.6485, 160.4941

0.0000

235.7859,
194.1849, 199.7982

■ 27.8327, 17.3680,
16.6373

■ 27.8327, 17.3680,
16.6373

■ 26.1018, 14.9932,
12.7094

■ 30.0782, 20.5932,
21.2884

■ 24.8388, 13.3834,
9.4637

■ 32.8766, 24.7377,
26.6983

■ 23.9901, 12.4402,
6.8560

■ 36.2639, 29.8665,
32.9010

■ 23.6112, 12.0743,
5.5216

■ 40.2726, 36.0379,
39.9282

■ 44.9328, 43.3057,
47.8096

■ 50.2726, 51.7199,
56.5736

■ 56.3184, 61.3273,
66.2470

■ 63.0951, 72.1724,
76.8555

■ 70.6265, 84.2970,
88.4240

Harmonies

Analogous

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



26.6486, 17.3680, 32.8056



27.8327, 17.3680, 16.6373



25.5254, 17.3680, 7.2377

Triad

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



27.8327, 17.3680, 16.6373



11.6539, 17.3680, 4.2732



12.8282, 17.3680, 55.6138

Complementary

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



27.8327, 17.3680, 16.6373



28.4253, 43.2543, 38.7519

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.



9.9118, 17.3680, 39.0996



27.8327, 17.3680, 16.6373



9.3341, 17.3680, 9.6258

Square

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



27.8327, 17.3680, 16.6373



15.6936, 17.3680, 2.7284



8.7662, 17.3680, 21.3825



17.3496, 17.3680, 60.7494

Rectangle

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



27.8327, 17.3680, 16.6373



22.5433, 17.3680, 4.2685



8.7662, 17.3680, 21.3825



11.6588, 17.3680, 50.9115

Sweetspot

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



27.8332, 17.3689, 16.6376



76.5839, 70.9239, 78.5252



26.0090, 15.6027, 53.8654



15.8820, 14.3870, 15.9392



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.



27.8332, 17.3689, 16.6376



46.1704, 25.7058, 20.2672



27.8983, 20.1824, 8.3876



10.1997, 10.1285, 11.1423



15.2058, 7.7721, 3.7296



0.6887, 0.3485, 0.3280

Inverse Universe

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



27.8332, 17.3689, 16.6376



46.1704, 25.7058, 20.2672



27.5227, 35.2450, 57.5770



10.1997, 10.1285, 11.1423



15.2058, 7.7721, 3.7296



0.6887, 0.3485, 0.3280

Previews

White Background



This preview shows how the XYZ color 27.8327, 17.3680, 16.6373 looks on a white background.

Color Contrast Check

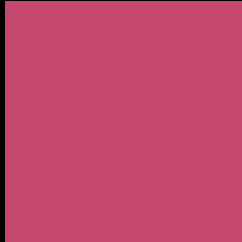
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.8327, 17.3680, 16.6373 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

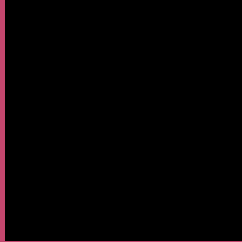
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 27.8327, 17.3680, 16.6373

Background



This preview shows how black text looks on a background with the XYZ color 27.8327, 17.3680, 16.6373.



This preview shows how white text looks on a background with the XYZ color 27.8327, 17.3680,

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

27.8327, 17.3680, 16.6373

Protanopia

17.3847, 17.5498, 25.7637

Deuteranopia

17.8086, 17.4934, 15.5346



Tritanopia

26.4250, 17.3863, 9.9458

Trichromacy



Original Color

27.8327, 17.3680, 16.6373

Protanomaly

19.6203, 16.2956, 22.1899

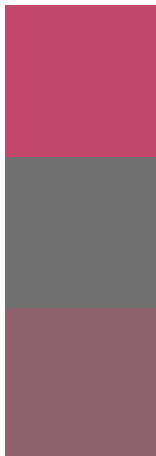
Deuteranomaly

20.3938, 16.5586, 15.7569

Tritanomaly

26.9535, 17.4070, 12.0645

Monochromacy



Original Color

27.8327, 17.3680, 16.6373

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

18.6200, 15.7449, 17.3869

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.8327, 17.3680, 16.6373 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, 71, 110)` looks like.

```
.text, #text, p{  
    color:rgb(196, 71, 110)  
}
```

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, 71, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 71, 110) }
```

Border

The CSS property to change the border of an element to XYZ 27.8327, 17.3680, 16.6373 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, 71, 110) }
```


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

```
.border{ border-color:rgb(196, 71, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 71, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 71, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 71, 110);  
box-shadow:4px 4px 4px 4px rgb(196, 71,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 27.8327, 17.3680, 16.6373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 71, 110) }
```

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

```
.background{ background-color: rgb(196, 71,  
110) }
```

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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