

Converting Colors

XYZ(27.8661, 16.8007, 18.6038)

Have a look what the booklet for
XYZ(27.8661, 16.8007, 18.6038)
contains.

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Color

**XYZ(27.8661, 16.8007,
18.6038)**

Conversions

Conversions Part 1

Format	Color
Hex	C44175
RGB	196, 65, 117
RGB Percent	77%, 25%, 46%
CMY	0.2314, 0.7451, 0.5412
CMYK	0.00, 0.67, 0.40, 0.23
HSL	336°, 53%, 51%
HSV	336°, 67%, 77%
XYZ	27.8661, 16.8007, 18.6038
YIQ	110.0970, 61.3840, 43.9440

Conversions

Conversions Part 2

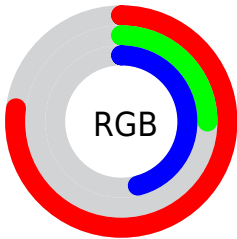
Format	Color
R_{YB}	196, 65, 117
Decimal	12861813
CIE Lab	48.01, 56.27, -0.62
CIE LCh	48, 56.269, 359.367
Yxy	16.8007, 0.4404, 0.2655
Android (android.graphics.Color)	4291051893 (0xFFC44175)
YUV	110.0970, 3.4032, 75.3369
Hunter-Lab	40.9887, 49.6229, 1.7817

Details

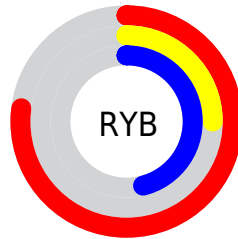
The XYZ color **27.8661, 16.8007, 18.6038** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark muted rose. A complement of this color would be **26.9550, 42.6177, 33.1938**, and the grayscale version is **14.8279, 15.6001, 16.9885**.

A 20% lighter version of the original color is **55.2388, 37.7993, 41.9207**, and **11.5554, 5.8329, 6.1471** is the 20% darker color. If you saturate the color by 10%, you get **26.2780, 14.6674, 14.8593**, and if you desaturate by 10%, it is **29.9332, 19.7514, 22.9413**.

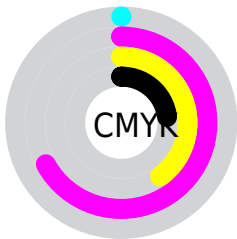
Distribution



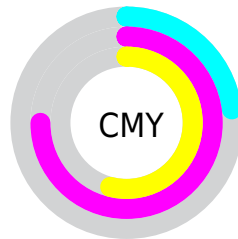
- Red (77%)
- Green (25%)
- Blue (46%)



- Red (77%)
- Yellow (25%)
- Blue (46%)



- Cyan (0%)
- Magenta (67%)
- Yellow (40%)
- Black (23%)





- Cyan (23%)
- Magenta (75%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.8661, 16.8007, 18.6038 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 27.8661, 16.8007, 18.6038 by changing the saturation by 10% instead.


 27.8661, 16.8007,
18.6038


 27.8661, 16.8007,
18.6038


283.9182,
234.0212, 256.6021


 18.3647, 10.0925,
11.2104


 55.6807, 37.9828,
41.8913


 11.3134, 5.4603,
6.0926


 74.7247, 53.2255,
58.6225


 6.3469, 2.5198,
2.8318


 97.6801, 72.0818,
79.3034

 3.0998, 0.8865,
1.0094

 124.9125, 94.9361,
104.3525

 1.2068, 0.0000,
0.0000

 156.7872,
122.1728, 134.1884

 0.1117, 0.0000,
0.0000

193.6694,

 0.0000, 0.0000,

154.1763, 169.2296

0.0000

235.9247,
191.3310, 209.8947

■ 27.8661, 16.8007,
18.6038

■ 27.8661, 16.8007,
18.6038

■ 26.2780, 14.6674,
14.8593

■ 29.9332, 19.7514,
22.9413

■ 25.1218, 13.2627,
11.6755

■ 32.5172, 23.5907,
27.8993

■ 24.3378, 12.4727,
9.0157

■ 35.6539, 28.3851,
33.5042

■ 24.1327, 12.2829,
8.2682

■ 39.3751, 34.1939,
39.7806

■ 43.7101, 41.0716,
46.7515

■ 48.6864, 49.0687,
54.4388

■ 54.3296, 58.2325,
62.8632

■ 60.6639, 68.6077,
72.0448

■ 67.7123, 80.2365,
82.0026

Harmonies

Analogous

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



25.9370, 16.8007, 36.5753



27.8661, 16.8007, 18.6038



26.0864, 16.8007, 7.7160

Triad

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



27.8661, 16.8007, 18.6038



11.6404, 16.8007, 3.1383



11.4897, 16.8007, 54.4774

Complementary

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



27.8661, 16.8007, 18.6038



26.9550, 42.6177, 33.1938

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.



8.8776, 16.8007, 35.7326



27.8661, 16.8007, 18.6038



8.9507, 16.8007, 7.4189

Square

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



27.8661, 16.8007, 18.6038



16.0767, 16.8007, 2.1543



8.0558, 16.8007, 17.9859



15.8609, 16.8007, 62.9623

Rectangle

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



27.8661, 16.8007, 18.6038



23.2135, 16.8007, 4.2150



8.0558, 16.8007, 17.9859



10.4137, 16.8007, 48.8048

Sweetspot

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



27.8666, 16.8016, 18.6041



76.3204, 69.8407, 80.1518



23.2869, 13.6606, 53.6338



15.8553, 14.1865, 16.3835



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.



27.8666, 16.8016, 18.6041



46.5867, 25.2928, 24.2458



26.4513, 17.5815, 7.0017



10.2351, 10.1426, 11.3285



15.5462, 7.9082, 5.5225



0.7057, 0.3553, 0.4175

Inverse Universe

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



27.8666, 16.8016, 18.6041



46.5867, 25.2928, 24.2458



29.0573, 38.9356, 58.2083



10.2351, 10.1426, 11.3285



15.5462, 7.9082, 5.5225



0.7057, 0.3553, 0.4175

Previews

White Background



This preview shows how the XYZ color 27.8661, 16.8007, 18.6038 looks on a white background.

Color Contrast Check

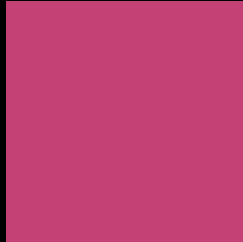
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.8661, 16.8007, 18.6038 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

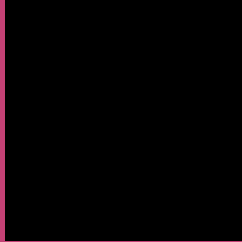
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 27.8661, 16.8007, 18.6038

Background



This preview shows how black text looks on a background with the XYZ color 27.8661, 16.8007, 18.6038.



This preview shows how white text looks on a background with the XYZ color 27.8661, 16.8007,

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

27.8661, 16.8007, 18.6038

Protanopia

17.1154, 16.9810, 29.9793

Deuteranopia

17.3061, 17.0286, 17.4136



Tritanopia

25.8162, 16.7851, 9.0869

Trichromacy



Original Color

27.8661, 16.8007, 18.6038

Protanomaly

19.2743, 15.6323, 25.2940

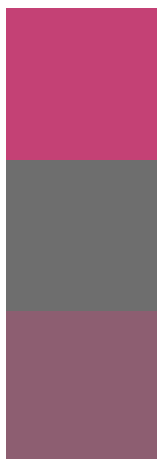
Deuteranomaly

19.9322, 15.8731, 17.6360

Tritanomaly

26.4331, 16.7485, 11.9648

Monochromacy



Original Color

27.8661, 16.8007, 18.6038

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

17.9678, 14.8604, 17.5441

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.8661, 16.8007, 18.6038 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, 65, 117)` looks like.

```
.text, #text, p{  
  color:rgb(196, 65, 117)  
}
```

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, 65, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 65, 117) }
```

Border

The CSS property to change the border of an element to XYZ 27.8661, 16.8007, 18.6038 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, 65, 117) }
```


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

```
.border{ border-color:rgb(196, 65, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 65, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 65, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 65, 117);  
box-shadow:4px 4px 4px 4px rgb(196, 65,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 27.8661, 16.8007, 18.6038 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 65, 117) }
```

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

```
.background{ background-color: rgb(196, 65,  
117) }
```

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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