

Converting Colors

XYZ(28.0269, 16.2259, 18.4458)

Have a look what the booklet for
XYZ(28.0269, 16.2259, 18.4458)
contains.

XYZ(27.9627, 16.2164, 18.4859)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(27.9627, 16.2164,
18.4859)**

Conversions

Conversions Part 1

Format	Color
Hex	C63975
RGB	198, 57, 117
RGB Percent	78%, 22%, 46%
CMY	0.2235, 0.7764, 0.5412
CMYK	0.00, 0.71, 0.41, 0.22
HSL	334°, 55%, 50%
HSV	334°, 71%, 78%
XYZ	27.9627, 16.2164, 18.4859
YIQ	105.9990, 64.7760, 48.5520

Conversions

Conversions Part 2

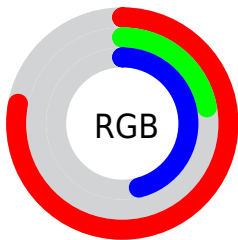
Format	Color
R_{YB}	198, 57, 117
Decimal	12990837
CIE _{Lab}	47.26, 59.88, -1.68
CIE _{LCh}	47, 59.908, 358.392
Yxy	16.2164, 0.4462, 0.2588
Android (android.graphics.Color)	4291180917 (0xFFC63975)
YUV	105.9990, 5.4235, 80.6849
Hunter-Lab	40.2696, 53.4764, 0.9714

Details

The XYZ color **27.9627, 16.2164, 18.4859** 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 **26.4700, 43.0934, 30.9709**, and the grayscale version is **13.6736, 14.3856, 15.6660**.

A 20% lighter version of the original color is **54.5322, 36.3860, 41.6852**, and **11.7216, 5.9186, 6.1548** is the 20% darker color. If you saturate the color by 10%, you get **26.5388, 14.3748, 14.9096**, and if you desaturate by 10%, it is **29.8503, 18.8553, 22.6181**.

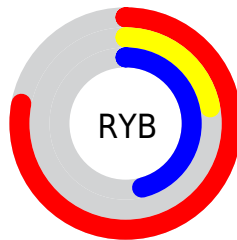
Distribution



Red (78%)

Green (22%)

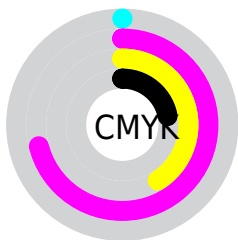
Blue (46%)



Red (78%)

Yellow (22%)

Blue (46%)

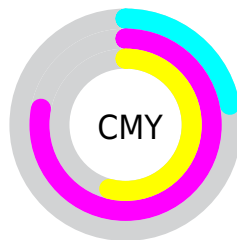


Cyan (0%)

Magenta (71%)

Yellow (41%)

Black (22%)



Cyan (22%)


Magenta (78%)


Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.9627, 16.2164, 18.4859 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 27.9627, 16.2164, 18.4859 by changing the saturation by 10% instead.

 27.9627, 16.2164,
18.4859


 27.9627, 16.2164,
18.4859


284.3720,
230.6153, 255.9232


 18.4379, 9.6774,
11.1264


 55.8339, 36.9735,
41.6886


 11.3664, 5.1856,
6.0367


 74.9111, 51.9604,
58.3689


 6.3829, 2.3566,
2.7982


 97.9030, 70.5320,
78.9931

 3.1222, 0.8034,
0.9926

 125.1750, 93.0728,
103.9799

 1.2187, 0.0000,
0.0000

 157.0926,
119.9671, 133.7478

 0.1210, 0.0000,
0.0000

194.0210,

 0.0000, 0.0000,

151.5994, 168.7153

0.0000

236.3257,
188.3540, 209.3009

■ 27.9627, 16.2164,
18.4859

■ 27.9627, 16.2164,
18.4859

■ 26.5388, 14.3748,
14.9096

■ 29.8503, 18.8553,
22.6181

■ 25.5271, 13.2321,
11.8572

■ 32.2426, 22.3692,
27.3330

■ 24.8986, 12.6497,
9.5679

■ 35.1775, 26.8296,
32.6563

■ 38.6885, 32.2996,
38.6117

■ 42.8066, 38.8370,
45.2213

■ 47.5601, 46.4951,
52.5059

■ 52.9758, 55.3237,
60.4856

■ 59.0788, 65.3695,
69.1793

■ 65.8928, 76.6766,
78.6053

Harmonies

Analogous

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



25.7859, 16.2164, 37.7179



27.9627, 16.2164, 18.4859



26.1897, 16.2164, 7.1204

Triad

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



27.9627, 16.2164, 18.4859



11.0694, 16.2164, 2.4368



10.6781, 16.2164, 55.8374

Complementary

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



27.9627, 16.2164, 18.4859



26.4700, 43.0934, 30.9709

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.



8.0918, 16.2164, 35.4209



27.9627, 16.2164, 18.4859



8.2788, 16.2164, 6.3762

Square

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



27.9627, 16.2164, 18.4859



15.7000, 16.2164, 1.6189



7.3247, 16.2164, 16.8531



15.1299, 16.2164, 65.6350

Rectangle

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



27.9627, 16.2164, 18.4859



23.1917, 16.2164, 3.6132



7.3247, 16.2164, 16.8531



9.6033, 16.2164, 49.5713

Sweetspot

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



27.9631, 16.2173, 18.4862



75.7182, 68.6380, 79.9462



21.9574, 12.3146, 54.6456



15.7462, 13.9562, 16.3849



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.



27.9631, 16.2173, 18.4862



46.0025, 24.2868, 23.5504



25.9996, 16.2456, 5.6375



10.8180, 10.7106, 12.0250



16.2332, 8.2428, 6.4377



0.8047, 0.4047, 0.4948

Inverse Universe

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



27.9631, 16.2173, 18.4862



46.0025, 24.2868, 23.5504



29.9927, 41.1709, 59.7919



10.8180, 10.7106, 12.0250



16.2332, 8.2428, 6.4377



0.8047, 0.4047, 0.4948

Previews

White Background



This preview shows how the XYZ color 27.9627, 16.2164, 18.4859 looks on a white background.

Color Contrast Check

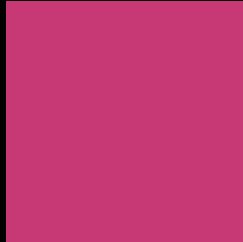
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.9627, 16.2164, 18.4859 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 27.9627, 16.2164, 18.4859

Background



This preview shows how black text looks on a background with the XYZ color 27.9627, 16.2164, 18.4859.



This preview shows how white text looks on a background with the XYZ color 27.9627, 16.2164,

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

27.9627, 16.2164, 18.4859

Protanopia

16.7498, 16.4280, 31.5663

Deuteranopia

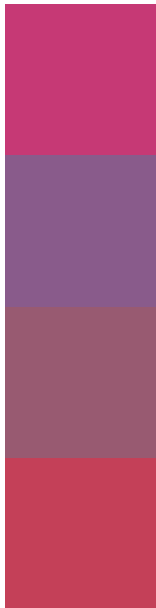
16.7406, 16.4230, 17.0395



Tritanopia

25.7425, 16.2042, 7.9018

Trichromacy



Original Color

27.9627, 16.2164, 18.4859

Protanomaly

18.7178, 14.6646, 26.2701

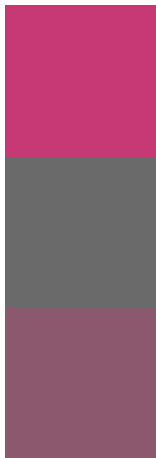
Deuteranomaly

19.5857, 15.1800, 17.5205

Tritanomaly

26.3598, 16.1071, 10.9522

Monochromacy



Original Color

27.9627, 16.2164, 18.4859

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

16.9517, 13.5942, 16.4823

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.9627, 16.2164, 18.4859 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(198, 57, 117)` looks like.

```
.text, #text, p{  
    color:rgb(198, 57, 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(198, 57, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 57, 117) }
```

Border

The CSS property to change the border of an element to XYZ 27.9627, 16.2164, 18.4859 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(198, 57, 117) }
```


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

```
.border{ border-color:rgb(198, 57, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 57, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 57, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 57, 117);  
box-shadow:4px 4px 4px 4px rgb(198, 57,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 27.9627, 16.2164, 18.4859 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 57, 117) }
```

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

```
.background{ background-color: rgb(198, 57,  
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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