

Converting Colors

XYZ(27.9043, 17.9484, 26.7371)

Have a look what the booklet for
XYZ(27.9043, 17.9484, 26.7371)
contains.

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Color

**XYZ(28.0231, 18.0502,
26.8180)**

Conversions

Conversions Part 1

Format	Color
Hex	BB4F8C
RGB	187, 79, 140
RGB Percent	73%, 31%, 55%
CMY	0.2667, 0.6902, 0.4510
CMYK	0.00, 0.58, 0.25, 0.27
HSL	326°, 44%, 52%
HSV	326°, 58%, 73%
XYZ	28.0231, 18.0502, 26.8180
YIQ	118.2460, 44.7870, 41.8670

Conversions

Conversions Part 2

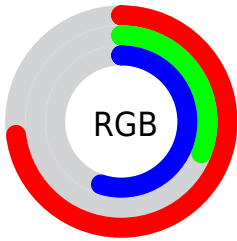
Format	Color
RYB	187, 79, 140
Decimal	12275596
CIELab	49.56, 50.21, -12.34
CIElCh	50, 51.705, 346.194
Yxy	18.0502, 0.3845, 0.2476
Android (android.graphics.Color)	4290465676 (0xFFBB4F8C)
YUV	118.2460, 10.7247, 60.2973
Hunter-Lab	42.4855, 43.3874, -7.6856

Details

The XYZ color **28.0231, 18.0502, 26.8180** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **24.7616, 38.7098, 25.9072**, and the grayscale version is **17.2552, 18.1539, 19.7696**.

A 20% lighter version of the original color is **56.1312, 40.2629, 55.8520**, and **11.4737, 6.0998, 10.2455** is the 20% darker color. If you saturate the color by 10%, you get **26.2809, 15.4909, 23.3852**, and if you desaturate by 10%, it is **30.1901, 21.3878, 30.6117**.

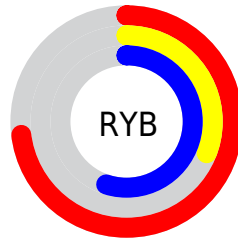
Distribution



Red (73%)

Green (31%)

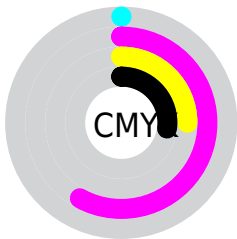
Blue (55%)



Red (73%)

Yellow (31%)

Blue (55%)

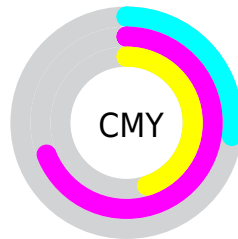


Cyan (0%)

Magenta (58%)

Yellow (25%)

Black (27%)



Cyan (27%)


Magenta (69%)


Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.0231, 18.0502, 26.8180 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 28.0231, 18.0502, 26.8180 by changing the saturation by 10% instead.

 28.0231, 18.0502,
26.8180


 28.0231, 18.0502,
26.8180

284.6554,
241.1538, 300.5071


 18.4836, 10.9860,
17.2054


 55.9297, 40.1228,
55.5919

 11.3995, 6.0574,
10.2175


 75.0275, 55.9001,
75.5902


 6.4055, 2.8800,
5.4359


 98.0422, 75.3505,
99.8874

 3.1362, 1.0694,
2.4421

 125.3390, 98.8585,
128.9022

 1.2262, 0.0000,
0.8092

 157.2834,
126.8084, 163.0530

 0.1269, 0.0000,
0.0000

194.2407,

 0.0000, 0.0000,

159.5847, 202.7584

0.0000

236.5762,
197.5717, 248.4369

■ 28.0231, 18.0502,
26.8180

■ 28.0231, 18.0502,
26.8180

■ 26.2809, 15.4909,
23.3852

■ 30.1901, 21.3878,
30.6117

■ 24.9283, 13.6412,
20.2965

■ 32.8101, 25.5591,
34.7798

■ 23.9264, 12.4252,
17.5341

■ 35.9108, 30.6177,
39.3362

■ 23.2167, 11.7271,
15.0735

■ 39.5169, 36.6119,
44.2933

■ 23.0752, 11.5975,
14.5537

■ 43.6515, 43.5864,
49.6630

■ 48.3363, 51.5831,
55.4567

■ 53.5915, 60.6414,
61.6851

■ 59.4364, 70.7987,
68.3584

■ 65.8895, 82.0903,
75.4867

Harmonies

Analogous

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



24.8898, 18.0502, 44.8596



28.0231, 18.0502, 26.8180



27.8824, 18.0502, 13.0503

Triad

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



28.0231, 18.0502, 26.8180



14.6614, 18.0502, 3.4645



11.4280, 18.0502, 46.2519

Complementary

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



28.0231, 18.0502, 26.8180



24.7616, 38.7098, 25.9072

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.



9.6083, 18.0502, 28.1762



28.0231, 18.0502, 26.8180



11.2176, 18.0502, 6.2714

Square

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



28.0231, 18.0502, 26.8180



19.5031, 18.0502, 3.3738



9.5394, 18.0502, 13.8944



15.0055, 18.0502, 59.2042

Rectangle

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



28.0231, 18.0502, 26.8180



25.9340, 18.0502, 7.6414



9.5394, 18.0502, 13.8944



10.6230, 18.0502, 40.2708

Sweetspot

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



28.0236, 18.0511, 26.8183



71.1052, 66.1259, 79.7698



20.3413, 13.6014, 48.5671



15.3535, 14.0514, 17.1582



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.



28.0236, 18.0511, 26.8183



46.4354, 26.8505, 40.5201



24.9780, 16.8328, 10.7802



9.7497, 9.6242, 11.0712



15.9358, 8.0055, 10.2214



0.6565, 0.3265, 0.5704

Inverse Universe

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



28.0236, 18.0511, 26.8183



46.4354, 26.8505, 40.5201



29.2132, 40.4904, 49.3493



9.7497, 9.6242, 11.0712



15.9358, 8.0055, 10.2214



0.6565, 0.3265, 0.5704

Previews

White Background



This preview shows how the XYZ color 28.0231, 18.0502, 26.8180 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 28.0231, 18.0502, 26.8180 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 28.0231, 18.0502, 26.8180

Background



This preview shows how black text looks on a background with the XYZ color 28.0231, 18.0502, 26.8180.



This preview shows how white text looks on a background with the XYZ color 28.0231, 18.0502,

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

28.0231, 18.0502, 26.8180

Protanopia

18.9299, 18.3962, 39.1123

Deuteranopia

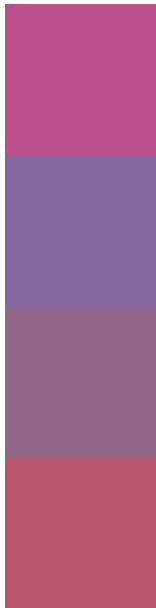
18.4598, 18.1203, 25.0789



Tritanopia

25.1664, 18.0383, 12.9818

Trichromacy



Original Color

28.0231, 18.0502, 26.8180

Protanomaly

20.7676, 17.2031, 34.1243

Deuteranomaly

21.0494, 17.3913, 25.5400

Tritanomaly

25.8849, 17.8350, 17.1171

Monochromacy



Original Color

28.0231, 18.0502, 26.8180

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

20.0439, 17.2466, 22.0112

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.0231, 18.0502, 26.8180 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(187, 79, 140)` looks like.

```
.text, #text, p{  
    color:rgb(187, 79, 140)  
}
```

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(187, 79, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 79, 140) }
```

Border

The CSS property to change the border of an element to XYZ 28.0231, 18.0502, 26.8180 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(187, 79, 140) }
```


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

```
.border{ border-color:rgb(187, 79, 140) }
```

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

Here you see how a box with a 4 pixel rgb(187, 79, 140) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 79, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 79, 140);  
box-shadow:4px 4px 4px 4px rgb(187, 79,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 28.0231, 18.0502, 26.8180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 79, 140) }
```

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

```
.background{ background-color: rgb(187, 79,  
140) }
```

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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