

Converting Colors

XYZ(18.9327, 18.0255, 27.8883)

Have a look what the booklet for
XYZ(18.9327, 18.0255, 27.8883)
contains.

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Color

**XYZ(18.9560, 17.9742,
28.0615)**

Conversions

Conversions Part 1

Format	Color
Hex	7B718E
RGB	123, 113, 142
RGB Percent	48%, 44%, 56%
CMY	0.5176, 0.5569, 0.4431
CMYK	0.13, 0.20, 0.00, 0.44
HSL	261°, 11%, 50%
HSV	261°, 20%, 56%
XYZ	18.9560, 17.9742, 28.0615
YIQ	119.2960, -3.3490, 11.1390

Conversions

Conversions Part 2

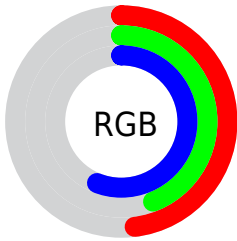
Format	Color
R_{YB}	123, 113, 142
Decimal	8089998
CIE _{Lab}	49.46, 9.95, -14.41
CIE _{LCh}	49, 17.509, 304.638
Yxy	17.9742, 0.2917, 0.2766
Android (android.graphics.Color)	4286280078 (0xFF7B718E)
YUV	119.2960, 11.1931, 3.2484
Hunter-Lab	42.3960, 5.6175, -9.5663

Details

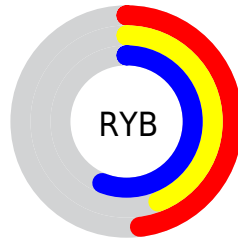
The XYZ color **18.9560, 17.9742, 28.0615** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **22.1700, 25.4443, 19.3664**, and the grayscale version is **17.5952, 18.5115, 20.1590**.

A 20% lighter version of the original color is **41.3234, 40.1259, 57.7916**, and **6.6461, 6.0091, 10.9348** is the 20% darker color. If you saturate the color by 10%, you get **16.2259, 14.3965, 27.5151**, and if you desaturate by 10%, it is **22.0617, 22.1144, 28.6972**.

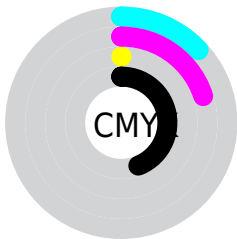
Distribution



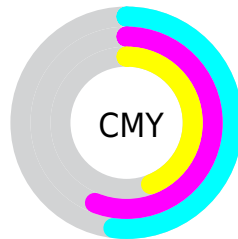
- Red (48%)
- Green (44%)
- Blue (56%)



- Red (48%)
- Yellow (44%)
- Blue (56%)



- Cyan (13%)
- Magenta (20%)
- Yellow (0%)
- Black (44%)



- Cyan (52%)
- Magenta (56%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.9560, 17.9742, 28.0615 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 18.9560, 17.9742, 28.0615 by changing the saturation by 10% instead.

■ 18.9560, 17.9742,
28.0615

■ 18.9560, 17.9742,
28.0615

239.1485,
240.7256, 306.6818

■ 11.7423, 10.9315,
18.1326

■ 41.1772, 39.9934,
57.6069

■ 6.6394, 6.0208,
10.8748

■ 56.9154, 55.7386,
78.0605

■ 3.2819, 2.8577,
5.8696

■ 76.2258, 75.1534,
102.8593

■ 1.3046, 1.0579,
2.6984

■ 99.4738, 98.6222,
132.4220

■ 0.1866, 0.0000,
0.9426

127.0247,
126.5295, 167.1670

■ 0.0000, 0.0000,
0.0000

159.2439,

159.2595, 207.5130

196.4967,
197.1968, 253.8784

■ 18.9560, 17.9742,
28.0615

■ 18.9560, 17.9742,
28.0615

■ 16.2259, 14.3965,
27.5151

■ 22.0617, 22.1144,
28.6972

■ 13.8546, 11.3543,
27.0529

■ 25.5553, 26.8381,
29.4249

■ 11.8266, 8.8216,
26.6709

■ 29.4509, 32.1679,
30.2483

■ 10.1246, 6.7693,
26.3645

■ 33.7610, 38.1247,
31.1709

■ 8.7295, 5.1654,
26.1284

■ 38.4978, 44.7280,
32.1958

7.6201, 3.9738,
25.9569

43.6730, 51.9970,
33.3261

6.7719, 3.1523,
25.8430

49.2977, 59.9496,
34.5647

6.1473, 2.6050,
25.7703

55.3826, 68.6033,
35.9143

61.9382, 77.9748,
37.3777

Harmonies

Analogous

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



17.3424, 17.9742, 30.1248



18.9560, 17.9742, 28.0615



20.1217, 17.9742, 23.7371

Triad

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



18.9560, 17.9742, 28.0615



18.4827, 17.9742, 12.4406



14.1062, 17.9742, 20.3165

Complementary

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



18.9560, 17.9742, 28.0615



22.1700, 25.4443, 19.3664

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.



14.3684, 17.9742, 15.9231



18.9560, 17.9742, 28.0615



16.8281, 17.9742, 11.8241

Square

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



18.9560, 17.9742, 28.0615



19.8363, 17.9742, 14.8371



15.3394, 17.9742, 12.9930



14.5987, 17.9742, 25.2174

Rectangle

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



18.9560, 17.9742, 28.0615



20.4498, 17.9742, 20.4344



15.3394, 17.9742, 12.9930



14.1093, 17.9742, 18.7320

Sweetspot

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



18.9566, 17.9749, 28.0619



41.4648, 42.4465, 51.1354



19.9897, 22.0574, 28.7954



9.1868, 9.3800, 11.4058



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



18.9566, 17.9749, 28.0619



30.8918, 28.3586, 48.9735



21.1320, 19.0965, 28.1637



5.2940, 5.3398, 6.7804



5.5377, 2.3484, 23.1385



0.0749, 0.0338, 0.2222

Inverse Universe

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



21.2259, 19.2277, 24.4232



35.7638, 31.0507, 41.0437



20.1028, 24.3786, 19.2696



5.5483, 5.4799, 6.3854



11.8002, 5.8771, 9.8649



0.1232, 0.0603, 0.1491

Previews

White Background



This preview shows how the XYZ color 18.9560, 17.9742, 28.0615 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 18.9560, 17.9742, 28.0615 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

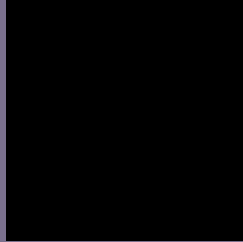
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.9560, 17.9742, 28.0615

Background



This preview shows how black text looks on a background with the XYZ color 18.9560, 17.9742, 28.0615.



This preview shows how white text looks on a background with the XYZ color 18.9560, 17.9742,

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

18.9560, 17.9742, 28.0615

Protanopia

17.8350, 17.8839, 28.8975

Deuteranopia

18.3493, 17.9964, 28.0977



Tritanopia

17.6928, 17.9645, 21.9370

Trichromacy



Original Color

18.9560, 17.9742, 28.0615

Protanomaly

18.1589, 17.8895, 28.4825

Deuteranomaly

18.5075, 17.9096, 28.0726

Tritanomaly

18.1126, 17.9651, 23.9857

Monochromacy



Original Color

18.9560, 17.9742, 28.0615

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

17.9378, 18.2480, 22.6555

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.9560, 17.9742, 28.0615 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(123, 113, 142)` looks like.

```
.text, #text, p{  
    color:rgb(123, 113, 142)  
}
```

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(123, 113, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 113, 142) }
```

Border

The CSS property to change the border of an element to XYZ 18.9560, 17.9742, 28.0615 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(123, 113, 142) }
```


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

```
.border{ border-color:rgb(123, 113, 142) }
```

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

Here you see how a box with a 4 pixel rgb(123, 113, 142) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 113, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 113, 142);  
box-shadow:4px 4px 4px 4px rgb(123, 113,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 18.9560, 17.9742, 28.0615 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 113, 142) }
```

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

```
.background{ background-color: rgb(123,  
113, 142) }
```

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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