

Converting Colors

XYZ(18.8320, 18.8314, 27.2877)

Have a look what the booklet for
XYZ(18.8320, 18.8314, 27.2877)
contains.

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Color

**XYZ(18.8198, 18.7723,
27.4424)**

Conversions

Conversions Part 1

Format	Color
Hex	77768C
RGB	119, 118, 140
RGB Percent	47%, 46%, 55%
CMY	0.5333, 0.5372, 0.4510
CMYK	0.15, 0.16, 0.00, 0.45
HSL	243°, 9%, 51%
HSV	243°, 16%, 55%
XYZ	18.8198, 18.7723, 27.4424
YIQ	120.8070, -6.4660, 7.0540

Conversions

Conversions Part 2

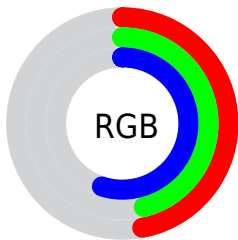
Format	Color
R_{YB}	119, 118, 140
Decimal	7829132
CIE Lab	50.42, 5.13, -11.82
CIE LCh	50, 12.884, 293.486
Yxy	18.7723, 0.2894, 0.2887
Android (android.graphics.Color)	4286019212 (0xFF77768C)
YUV	120.8070, 9.4621, -1.5847
Hunter-Lab	43.3270, 1.7121, -7.2241

Details

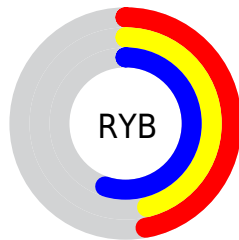
The XYZ color **18.8198, 18.7723, 27.4424** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **23.2963, 25.5536, 20.8450**, and the grayscale version is **18.0841, 19.0259, 20.7192**.

A 20% lighter version of the original color is **40.9069, 41.3024, 56.8551**, and **6.5614, 6.4206, 10.5663** is the 20% darker color. If you saturate the color by 10%, you get **15.5850, 14.8366, 26.8535**, and if you desaturate by 10%, it is **22.5584, 23.3319, 28.1258**.

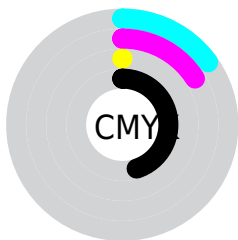
Distribution



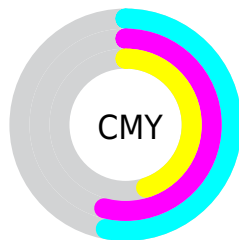
- Red (47%)
- Green (46%)
- Blue (55%)



- Red (47%)
- Yellow (46%)
- Blue (55%)



- Cyan (15%)
- Magenta (16%)
- Yellow (0%)
- Black (45%)



- Cyan (53%)
- Magenta (54%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8198, 18.7723, 27.4424 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 18.8198, 18.7723, 27.4424 by changing the saturation by 10% instead.

■ 18.8198, 18.7723,
27.4424

■ 18.8198, 18.7723,
27.4424

238.4094,
245.1888, 303.6205

■ 11.6434, 11.5059,
17.6704

■ 40.9486, 41.3490,
56.6053

■ 6.5718, 6.4082,
10.5466

■ 56.6317, 57.4280,
76.8333

■ 3.2397, 3.0948,
5.6525

■ 75.8811, 77.2134,
101.3837

■ 1.2818, 1.1814,
2.5696

99.0621, 101.0895,
130.6750

■ 0.1695, 0.0465,
0.8767

126.5400,
129.4406, 165.1258

■ 0.0000, 0.0000,
0.0000

158.6804,

162.6513, 205.1546

195.8483,
201.1059, 251.1800

■ 18.8198, 18.7723,
27.4424

■ 18.8198, 18.7723,
27.4424

■ 15.5850, 14.8366,
26.8535

■ 22.5584, 23.3319,
28.1258

■ 12.8309, 11.4956,
26.3538

■ 26.8193, 28.5386,
28.9062

■ 10.5350, 8.7210,
25.9393

■ 31.6221, 34.4169,
29.7877

■ 8.6725, 6.4814,
25.6051

■ 36.9849, 40.9897,
30.7737

■ 7.2160, 4.7424,
25.3462

■ 42.9249, 48.2786,
31.8675

■ 6.1354, 3.4654,
25.1567

■ 49.4587, 56.3043,
33.0723

■ 5.3959, 2.6063,
25.0299

■ 56.6021, 65.0867,
34.3909

■ 4.9516, 2.1025,
24.9560

■ 64.3704, 74.6449,
35.8264

■ 4.8132, 1.9345,
24.9309

■ 72.7783, 84.9974,
37.3815

Harmonies

Analogous

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



17.5706, 18.7723, 28.0887



18.8198, 18.7723, 27.4424



19.8494, 18.7723, 24.8257

Triad

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



18.8198, 18.7723, 27.4424



19.3145, 18.7723, 15.3815



15.5546, 18.7723, 19.6671

Complementary

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



18.8198, 18.7723, 27.4424



23.2963, 25.5536, 20.8450

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.



15.9757, 18.7723, 16.6036



18.8198, 18.7723, 27.4424



18.1172, 18.7723, 14.3233

Square

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



18.8198, 18.7723, 27.4424



20.1442, 18.7723, 17.8120



16.8996, 18.7723, 14.7430



15.7232, 18.7723, 23.3142

Rectangle

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



18.8198, 18.7723, 27.4424



20.2531, 18.7723, 22.4642



16.8996, 18.7723, 14.7430



15.6312, 18.7723, 18.5409

Sweetspot

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



18.8204, 18.7731, 27.4428



40.2007, 41.6593, 49.6652



21.4767, 24.2880, 28.3673



9.1620, 9.4758, 11.4256



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.



18.8204, 18.7731, 27.4428



30.9761, 30.4128, 47.9806



20.3778, 19.5760, 27.5157



4.7943, 4.9024, 6.2994



4.2814, 1.7212, 22.1523



0.0308, 0.0127, 0.1473

Inverse Universe

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



21.9545, 20.3973, 27.2070



37.6335, 33.8632, 47.4605



21.5909, 24.6745, 20.7652



5.2242, 5.1251, 6.2692



13.4135, 6.4755, 20.4796



0.0905, 0.0436, 0.1434

Previews

White Background



This preview shows how the XYZ color 18.8198, 18.7723, 27.4424 looks on a white 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

Black Background



This preview shows how the XYZ color 18.8198, 18.7723, 27.4424 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

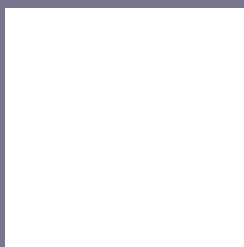
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.8198, 18.7723, 27.4424

Background



This preview shows how black text looks on a background with the XYZ color 18.8198, 18.7723, 27.4424.



This preview shows how white text looks on a background with the XYZ color 18.8198, 18.7723,

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

18.8198, 18.7723, 27.4424

Protanopia

18.6070, 18.8297, 27.8531

Deuteranopia

19.1210, 18.7536, 27.4230



Tritanopia

18.0150, 18.7998, 23.4481

Trichromacy



Original Color

18.8198, 18.7723, 27.4424

Protanomaly

18.7407, 18.8986, 27.8594

Deuteranomaly

18.9801, 18.6810, 27.4164

Tritanomaly

18.3017, 18.7387, 24.8426

Monochromacy



Original Color

18.8198, 18.7723, 27.4424

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

18.3585, 18.9845, 23.1189

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8198, 18.7723, 27.4424 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(119, 118, 140)` looks like.

```
.text, #text, p{  
    color:rgb(119, 118, 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(119, 118, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 118, 140) }
```

Border

The CSS property to change the border of an element to XYZ 18.8198, 18.7723, 27.4424 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(119, 118, 140) }
```


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

```
.border{ border-color:rgb(119, 118, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 118, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 118, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 118, 140);  
box-shadow:4px 4px 4px 4px rgb(119, 118,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8198, 18.7723, 27.4424 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 118, 140) }
```

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

```
.background{ background-color: rgb(119,  
118, 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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