

Converting Colors

XYZ(18.5384, 17.9301, 27.6919)

Have a look what the booklet for
XYZ(18.5384, 17.9301, 27.6919)
contains.

XYZ(18.5708, 17.9508, 27.6854)	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(18.5708, 17.9508,
27.6854)**

Conversions

Conversions Part 1

Format	Color
Hex	78728D
RGB	120, 114, 141
RGB Percent	47%, 45%, 55%
CMY	0.5294, 0.5529, 0.4471
CMYK	0.15, 0.19, 0.00, 0.45
HSL	253°, 11%, 50%
HSV	253°, 19%, 55%
XYZ	18.5708, 17.9508, 27.6854
YIQ	118.8720, -5.0910, 9.6690

Conversions

Conversions Part 2

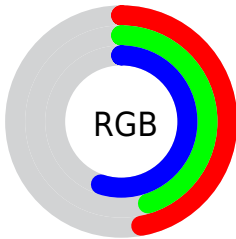
Format	Color
R_{YB}	120, 114, 141
Decimal	7893645
CIE Lab	49.44, 8.08, -13.88
CIE LCh	49, 16.065, 300.205
Yxy	17.9508, 0.2892, 0.2796
Android (android.graphics.Color)	4286083725 (0xFF78728D)
YUV	118.8720, 10.9091, 0.9893
Hunter-Lab	42.3684, 4.0950, -9.0849

Details

The XYZ color **18.5708, 17.9508, 27.6854** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **22.5544, 25.4160, 19.6374**, and the grayscale version is **17.4624, 18.3718, 20.0069**.

A 20% lighter version of the original color is **40.4998, 39.9832, 57.2127**, and **6.4351, 5.9914, 10.7148** is the 20% darker color. If you saturate the color by 10%, you get **15.6665, 14.2722, 27.1287**, and if you desaturate by 10%, it is **21.8956, 22.2111, 28.3328**.

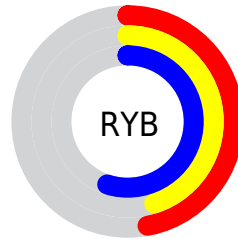
Distribution



Red (47%)

Green (45%)

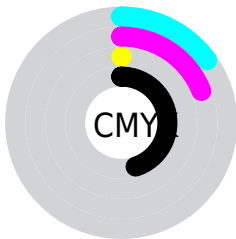
Blue (55%)



Red (47%)

Yellow (45%)

Blue (55%)

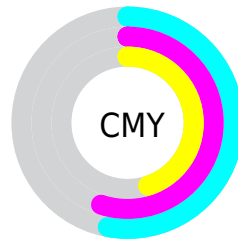


Cyan (15%)

Magenta (19%)

Yellow (0%)

Black (45%)



Cyan (53%)

Magenta (55%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.5708, 17.9508, 27.6854 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 18.5708, 17.9508, 27.6854 by changing the saturation by 10% instead.

■ 18.5708, 17.9508,
27.6854

■ 18.5708, 17.9508,
27.6854

237.0528,
240.5936, 304.8251

■ 11.4627, 10.9147,
17.8517

■ 40.5301, 39.9535,
56.9988

■ 6.4486, 6.0095,
10.6752

■ 56.1120, 55.6888,
77.3156

■ 3.1629, 2.8508,
5.7375

■ 75.2493, 75.0927,
101.9638

■ 1.2405, 1.0544,
2.6199

■ 98.3072, 98.5494,
131.3619

■ 0.1380, 0.0000,
0.9027

125.6512,
126.4435, 165.9286

■ 0.0000, 0.0000,
0.0000

157.6465,

159.1593, 206.0823

194.6586,
197.0812, 252.2416

■ 18.5708, 17.9508,
27.6854

■ 18.5708, 17.9508,
27.6854

■ 15.6665, 14.2722,
27.1287

■ 21.8956, 22.2111,
28.3328

■ 13.1641, 11.1476,
26.6575

■ 25.6553, 27.0747,
29.0734

■ 11.0458, 8.5505,
26.2679

■ 29.8657, 32.5647,
29.9112

■ 9.2920, 6.4513,
25.9551

■ 34.5412, 38.7026,
30.8495

■ 7.8810, 4.8171,
25.7140

■ 39.6956, 45.5086,
31.8915

■ 6.7891, 3.6115,
25.5389

■ 45.3422, 53.0022,
33.0403

■ 5.9889, 2.7920,
25.4229

■ 51.4936, 61.2020,
34.2988

■ 5.4248, 2.2605,
25.3500

■ 58.1620, 70.1258,
35.6698

■ 5.3828, 2.2196,
25.3443

■ 65.3594, 79.7910,
37.1560

Harmonies

Analogous

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



17.0721, 17.9508, 29.1398



18.5708, 17.9508, 27.6854



19.7187, 17.9508, 23.9946

Triad

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



18.5708, 17.9508, 27.6854



18.5517, 17.9508, 13.1583



14.3093, 17.9508, 19.5752

Complementary

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



18.5708, 17.9508, 27.6854



22.5544, 25.4160, 19.6374

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.



14.6548, 17.9508, 15.6833



18.5708, 17.9508, 27.6854



17.0513, 17.9508, 12.3286

Square

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



18.5708, 17.9508, 27.6854



19.7073, 17.9508, 15.6386



15.6366, 17.9508, 13.1812



14.6642, 17.9508, 24.0539

Rectangle

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



18.5708, 17.9508, 27.6854



20.0988, 17.9508, 21.0005



15.6366, 17.9508, 13.1812



14.3471, 17.9508, 18.1591

Sweetspot

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



18.5714, 17.9515, 27.6858



41.1601, 42.2894, 51.1212



20.4327, 22.8709, 28.5372



9.1131, 9.3420, 11.4023



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.



18.5714, 17.9515, 27.6858



30.9067, 29.1595, 49.1273



20.5538, 18.9736, 27.7786



5.2347, 5.3092, 6.7776



4.9200, 2.0300, 23.1096



0.0632, 0.0277, 0.2217

Inverse Universe

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



21.3756, 19.4474, 25.5495



36.9125, 32.3651, 44.4570



20.5393, 24.3772, 19.5431



5.5757, 5.4908, 6.5295



12.5718, 6.1857, 13.9284



0.1284, 0.0624, 0.1761

Previews

White Background



This preview shows how the XYZ color 18.5708, 17.9508, 27.6854 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 18.5708, 17.9508, 27.6854 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 18.5708, 17.9508, 27.6854

Background



This preview shows how black text looks on a background with the XYZ color 18.5708, 17.9508, 27.6854.



This preview shows how white text looks on a background with the XYZ color 18.5708, 17.9508,

27.6854.

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

18.5708, 17.9508, 27.6854

Protanopia

17.8854, 17.9187, 28.5026

Deuteranopia

18.2746, 17.9665, 27.7040



Tritanopia

17.4633, 18.0108, 22.2947

Trichromacy



Original Color

18.5708, 17.9508, 27.6854

Protanomaly

18.0834, 17.8593, 28.0853

Deuteranomaly

18.4097, 18.0361, 27.7103

Tritanomaly

17.8133, 17.9810, 24.0046

Monochromacy



Original Color

18.5708, 17.9508, 27.6854

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

17.7998, 18.1768, 22.6490

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.5708, 17.9508, 27.6854 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(120, 114, 141)` looks like.

```
.text, #text, p{  
    color:rgb(120, 114, 141)  
}
```

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(120, 114, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 114, 141) }
```

Border

The CSS property to change the border of an element to XYZ 18.5708, 17.9508, 27.6854 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(120, 114, 141) }
```


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

```
.border{ border-color:rgb(120, 114, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 114, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 114, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 114, 141);  
box-shadow:4px 4px 4px 4px rgb(120, 114,  
141) }
```

Background

The CSS property to change the background color of an element to XYZ 18.5708, 17.9508, 27.6854 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 114, 141) }
```

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

```
.background{ background-color: rgb(120,  
114, 141) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor