

Converting Colors

XYZ(18.4263, 17.2883, 28.9110)

Have a look what the booklet for
XYZ(18.4263, 17.2883, 28.9110)
contains.

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Color

**XYZ(18.4642, 17.3756,
28.7662)**

Conversions

Conversions Part 1

Format	Color
Hex	786F90
RGB	120, 111, 144
RGB Percent	47%, 44%, 56%
CMY	0.5294, 0.5647, 0.4353
CMYK	0.17, 0.23, 0.00, 0.44
HSL	256°, 13%, 50%
HSV	256°, 23%, 56%
XYZ	18.4642, 17.3756, 28.7662
YIQ	117.4530, -5.2290, 12.1710

Conversions

Conversions Part 2

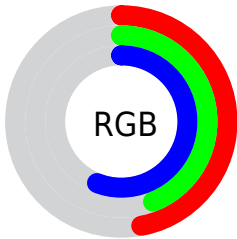
Format	Color
R_{YB}	120, 111, 144
Decimal	7892880
CIE _{Lab}	48.73, 10.57, -16.73
CIE _{LCh}	49, 19.790, 302.288
Yxy	17.3756, 0.2858, 0.2689
Android (android.graphics.Color)	4286082960 (0xFF786F90)
YUV	117.4530, 13.0877, 2.2337
Hunter-Lab	41.6840, 6.1206, -11.7372

Details

The XYZ color **18.4642, 17.3756, 28.7662** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **22.8348, 26.2456, 18.9022**, and the grayscale version is **17.0114, 17.8973, 19.4901**.

A 20% lighter version of the original color is **40.5238, 39.1558, 58.8481**, and **6.3964, 5.7028, 11.3533** is the 20% darker color. If you saturate the color by 10%, you get **15.6440, 13.7746, 28.2201**, and if you desaturate by 10%, it is **21.6977, 21.5666, 29.4050**.

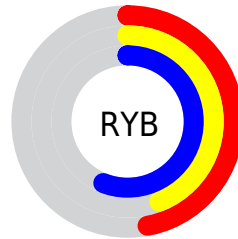
Distribution



Red (47%)

Green (44%)

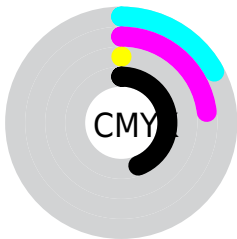
Blue (56%)



Red (47%)

Yellow (44%)

Blue (56%)

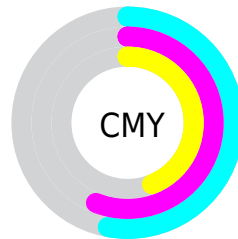


Cyan (17%)

Magenta (23%)

Yellow (0%)

Black (44%)



Cyan (53%)

Magenta (56%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4642, 17.3756, 28.7662 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 18.4642, 17.3756, 28.7662 by changing the saturation by 10% instead.

■ 18.4642, 17.3756,
28.7662

■ 18.4642, 17.3756,
28.7662

236.4700,
237.3276, 310.1366

■ 11.3855, 10.5026,
18.6600

■ 40.3506, 38.9704,
58.7432

■ 6.3959, 5.7335,
11.2505

■ 55.8891, 54.4611,
79.4510

■ 3.1302, 2.6837,
6.1193

■ 74.9781, 73.5932,
104.5297

■ 1.2230, 0.9689,
2.8478

■ 97.9831, 96.7510,
134.3980

■ 0.1244, 0.0000,
1.0175

125.2695,
124.3189, 169.4742

■ 0.0000, 0.0000,
0.0000

157.2025,

156.6814, 210.1771

194.1475,
194.2229, 256.9250

■ 18.4642, 17.3756,
28.7662

■ 18.4642, 17.3756,
28.7662

■ 15.6440, 13.7746,
28.2201

■ 21.6977, 21.5666,
29.4050

■ 13.2183, 10.7346,
27.7611

■ 25.3590, 26.3704,
30.1393

■ 11.1691, 8.2273,
27.3852

■ 29.4640, 31.8116,
30.9732

■ 9.4764, 6.2210,
27.0871

■ 34.0272, 37.9125,
31.9102

■ 8.1182, 4.6807,
26.8614

■ 39.0623, 44.6943,
32.9539

■ 7.0699, 3.5666,
26.7016

■ 44.5826, 52.1773,
34.1073

■ 6.3028, 2.8321,
26.6003

■ 50.6009, 60.3811,
35.3736

■ 5.8810, 2.4502,
26.5488

■ 57.1294, 69.3244,
36.7557

■ 64.1798, 79.0251,
38.2566

Harmonies

Analogous

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



16.6557, 17.3756, 30.8623



18.4642, 17.3756, 28.7662



19.8255, 17.3756, 23.9957

Triad

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



18.4642, 17.3756, 28.7662



18.2036, 17.3756, 11.3347



13.2466, 17.3756, 19.3238

Complementary

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



18.4642, 17.3756, 28.7662



22.8348, 26.2456, 18.9022

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.



13.5952, 17.3756, 14.6143



18.4642, 17.3756, 28.7662



16.3751, 17.3756, 10.5394

Square

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



18.4642, 17.3756, 28.7662



19.6674, 17.3756, 14.0361



14.7080, 17.3756, 11.6227



13.7188, 17.3756, 24.8205

Rectangle

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



18.4642, 17.3756, 28.7662



20.2479, 17.3756, 20.3020



14.7080, 17.3756, 11.6227



13.2716, 17.3756, 17.6005

Sweetspot

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



18.4648, 17.3763, 28.7666



41.9024, 42.7933, 52.5895



20.2821, 22.7775, 29.7133



9.5347, 9.7158, 12.0450



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



18.4648, 17.3763, 28.7666



30.1708, 27.5745, 50.2703



20.9212, 18.6427, 28.8815



5.2590, 5.3217, 6.7788



5.1415, 2.1441, 23.1200



0.0680, 0.0302, 0.2219

Inverse Universe

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



21.5598, 19.0482, 25.4629



36.5639, 31.0308, 43.3162



20.4097, 24.9954, 18.7887



5.5644, 5.4863, 6.4699



12.2344, 6.0508, 12.1516



0.1262, 0.0616, 0.1650

Previews

White Background



This preview shows how the XYZ color 18.4642, 17.3756, 28.7662 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 18.4642, 17.3756, 28.7662 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 18.4642, 17.3756, 28.7662

Background



This preview shows how black text looks on a background with the XYZ color 18.4642, 17.3756, 28.7662.



This preview shows how white text looks on a background with the XYZ color 18.4642, 17.3756,

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

18.4642, 17.3756, 28.7662

Protanopia

17.5815, 17.5562, 30.0658

Deuteranopia

17.7492, 17.3346, 28.7960



Tritanopia

16.9713, 17.4297, 21.5386

Trichromacy



Original Color

18.4642, 17.3756, 28.7662

Protanomaly

17.8877, 17.5547, 29.6397

Deuteranomaly

18.0307, 17.3150, 28.7774

Tritanomaly

17.4502, 17.4552, 23.9222

Monochromacy



Original Color

18.4642, 17.3756, 28.7662

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

17.4327, 17.6453, 22.5658

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4642, 17.3756, 28.7662 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, 111, 144)` looks like.

```
.text, #text, p{  
    color:rgb(120, 111, 144)  
}
```

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, 111, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 111, 144) }
```

Border

The CSS property to change the border of an element to XYZ 18.4642, 17.3756, 28.7662 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, 111, 144) }
```


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

```
.border{ border-color:rgb(120, 111, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 111, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 111, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 111, 144);  
box-shadow:4px 4px 4px 4px rgb(120, 111,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4642, 17.3756, 28.7662 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 111, 144) }
```

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

```
.background{ background-color: rgb(120,  
111, 144) }
```

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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