

Converting Colors

XYZ(17.7323, 18.2062, 42.6698)

Have a look what the booklet for
XYZ(17.7323, 18.2062, 42.6698)
contains.

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Color

**XYZ(17.7498, 18.2383,
42.6292)**

Conversions

Conversions Part 1

Format	Color
Hex	5178AE
RGB	81, 120, 174
RGB Percent	32%, 47%, 68%
CMY	0.6823, 0.5294, 0.3176
CMYK	0.53, 0.31, 0.00, 0.32
HSL	215°, 36%, 50%
HSV	215°, 53%, 68%
XYZ	17.7498, 18.2383, 42.6292
YIQ	114.4950, -40.5780, 8.5260

Conversions

Conversions Part 2

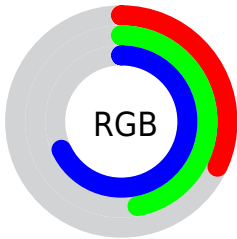
Format	Color
R _Y B	81, 108, 174
Decimal	5339310
CIE Lab	49.78, 2.24, -32.89
CIE LCh	50, 32.968, 273.903
Yxy	18.2383, 0.2258, 0.2320
Android (android.graphics.Color)	4283529390 (0xFF5178AE)
YUV	114.4950, 29.3360, -29.3751
Hunter-Lab	42.7063, -0.5471, -29.2885

Details

The XYZ color **17.7498, 18.2383, 42.6292** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **27.6055, 26.9217, 11.5269**, and the grayscale version is **16.0668, 16.9035, 18.4080**.

A 20% lighter version of the original color is **39.1888, 40.4525, 80.6055**, and **6.0371, 6.1537, 18.9587** is the 20% darker color. If you saturate the color by 10%, you get **15.2937, 15.2628, 42.1847**, and if you desaturate by 10%, it is **20.7175, 21.6686, 43.1352**.

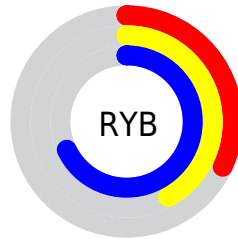
Distribution



Red (32%)

Green (47%)

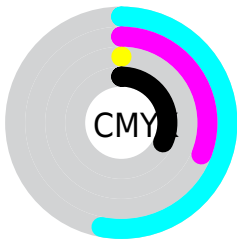
Blue (68%)



Red (32%)

Yellow (42%)

Blue (68%)

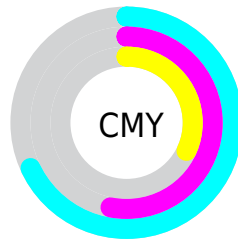


Cyan (53%)

Magenta (31%)

Yellow (0%)

Black (32%)



Cyan (68%)

Magenta (53%)

Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.7498, 18.2383, 42.6292 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 17.7498, 18.2383, 42.6292 by changing the saturation by 10% instead.

■ 17.7498, 18.2383,
42.6292

■ 17.7498, 18.2383,
42.6292

232.5299,
242.2108, 372.9609

■ 10.8691, 11.1212,
29.2650

■ 39.1440, 40.4430,
80.4314

■ 6.0455, 6.1484,
19.0341

■ 54.3881, 56.2993,
105.7064

■ 2.9137, 2.9355,
11.5179

■ 73.1509, 75.8376,
135.7889

■ 1.1083, 1.0982,
6.2978

■ 95.7975, 99.4421,
171.0973

■ 0.0320, 0.0000,
2.9553

■ 122.6933,
127.4973, 212.0501

■ 0.0000, 0.0000,
1.0718

154.2038,

■ 0.0000, 0.0000,

160.3875, 259.0660

0.0000

190.6942,
198.4972, 312.5634

■ 17.7498, 18.2383,
42.6292

■ 17.7498, 18.2383,
42.6292

■ 15.2937, 15.2628,
42.1847

■ 20.7175, 21.6686,
43.1352

■ 13.3135, 12.7167,
41.7976

■ 24.2252, 25.5729,
43.7040

■ 11.7714, 10.5748,
41.4654

■ 28.3015, 29.9717,
44.3382

■ 10.6221, 8.8072,
41.1848

■ 32.9723, 34.8835,
45.0401

■ 10.0204, 7.8167,
41.0254

■ 38.2617, 40.3258,
45.8118

■ 44.1926, 46.3151,
46.6552

■ 50.7866, 52.8673,
47.5724

■ 58.0642, 59.9974,
48.5651

■ 66.0450, 67.7199,
49.6350

Harmonies

Analogous

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



14.8089, 18.2383, 39.8222



17.7498, 18.2383, 42.6292



20.9311, 18.2383, 37.9771

Triad

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



17.7498, 18.2383, 42.6292



22.8533, 18.2383, 11.6808



12.4522, 18.2383, 13.1735

Complementary

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



17.7498, 18.2383, 42.6292



27.6055, 26.9217, 11.5269

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.



14.1763, 18.2383, 8.6745



17.7498, 18.2383, 42.6292



20.1331, 18.2383, 8.0134

Square

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



17.7498, 18.2383, 42.6292



24.0942, 18.2383, 18.7029



16.9266, 18.2383, 7.1077



11.9752, 18.2383, 21.0606

Rectangle

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



17.7498, 18.2383, 42.6292



22.6940, 18.2383, 31.9074



16.9266, 18.2383, 7.1077



12.8939, 18.2383, 11.3036

Sweetspot

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



17.7505, 18.2389, 42.6296



57.2920, 60.6506, 81.3240



22.8122, 33.7348, 27.7547



12.3493, 13.0770, 18.0176



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



17.7505, 18.2389, 42.6296



27.0762, 26.8522, 76.3928



14.5324, 10.9776, 41.3977



7.8446, 8.2885, 10.1391



7.3239, 5.7816, 29.7745



0.2586, 0.2706, 0.8466

Inverse Universe

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



23.7887, 16.2404, 19.6508



39.5862, 24.2839, 28.4333



32.7276, 39.1695, 13.6210



8.1393, 8.0690, 9.0446



13.5604, 6.8867, 5.3305



0.4049, 0.2027, 0.2941

Previews

White Background



This preview shows how the XYZ color 17.7498, 18.2383, 42.6292 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 17.7498, 18.2383, 42.6292 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 17.7498, 18.2383, 42.6292

Background



This preview shows how black text looks on a background with the XYZ color 17.7498, 18.2383, 42.6292.

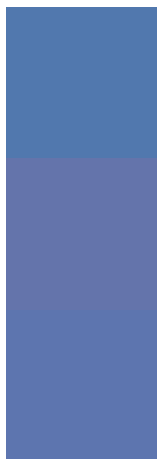


This preview shows how white text looks on a background with the XYZ color 17.7498, 18.2383,

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

17.7498, 18.2383, 42.6292

Protanopia

18.8516, 18.1404, 41.0359

Deuteranopia

18.6134, 18.1449, 43.0787



Tritanopia

14.4886, 18.2138, 26.4189

Trichromacy



Original Color

17.7498, 18.2383, 42.6292

Protanomaly

18.3219, 18.0283, 41.5439

Deuteranomaly

18.3361, 18.1759, 43.0993

Tritanomaly

15.4603, 18.0338, 31.5202

Monochromacy



Original Color

17.7498, 18.2383, 42.6292

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

16.1688, 17.0931, 25.7397

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.7498, 18.2383, 42.6292 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(81, 120, 174)` looks like.

```
.text, #text, p{  
    color:rgb(81, 120, 174)  
}
```

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(81, 120, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 120, 174) }
```

Border

The CSS property to change the border of an element to XYZ 17.7498, 18.2383, 42.6292 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(81, 120, 174) }
```


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

```
.border{ border-color:rgb(81, 120, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 120, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 120, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 120, 174);  
box-shadow:4px 4px 4px 4px rgb(81, 120,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 17.7498, 18.2383, 42.6292 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 120, 174) }
```

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

```
.background{ background-color: rgb(81, 120,  
174) }
```

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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