

Converting Colors

XYZ(18.6260, 17.5626, 41.8355)

Have a look what the booklet for
XYZ(18.6260, 17.5626, 41.8355)
contains.

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Color

**XYZ(18.5935, 17.4800,
41.9292)**

Conversions

Conversions Part 1

Format	Color
Hex	6371AD
RGB	99, 113, 173
RGB Percent	39%, 44%, 68%
CMY	0.6118, 0.5569, 0.3216
CMYK	0.43, 0.35, 0.00, 0.32
HSL	229°, 31%, 53%
HSV	229°, 43%, 68%
XYZ	18.5935, 17.4800, 41.9292
YIQ	115.6540, -27.6040, 15.6920

Conversions

Conversions Part 2

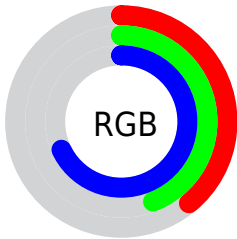
Format	Color
R_{YB}	99, 111, 173
Decimal	6517165
CIE _{Lab}	48.86, 10.69, -33.68
CIE _{LCh}	49, 35.335, 287.606
Yxy	17.4800, 0.2384, 0.2241
Android (android.graphics.Color)	4284707245 (0xFF6371AD)
YUV	115.6540, 28.2716, -14.6056
Hunter-Lab	41.8091, 6.2173, -30.1940

Details

The XYZ color **18.5935, 17.4800, 41.9292** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **31.8844, 34.5821, 16.7996**, and the grayscale version is **16.4176, 17.2726, 18.8099**.

A 20% lighter version of the original color is **40.7349, 39.3397, 79.5751**, and **6.4072, 5.7175, 18.5352** is the 20% darker color. If you saturate the color by 10%, you get **15.4562, 13.7166, 41.3685**, and if you desaturate by 10%, it is **22.3788, 21.9372, 42.5904**.

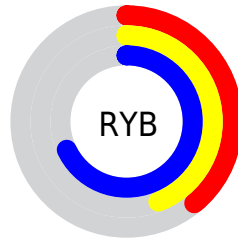
Distribution



Red (39%)

Green (44%)

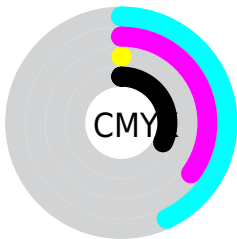
Blue (68%)



Red (39%)

Yellow (44%)

Blue (68%)

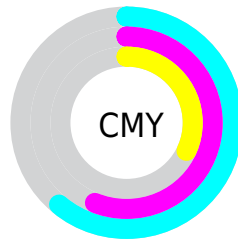


Cyan (43%)

Magenta (35%)

Yellow (0%)

Black (32%)



Cyan (61%)

Magenta (56%)

Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.5935, 17.4800, 41.9292 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 18.5935, 17.4800, 41.9292 by changing the saturation by 10% instead.

■ 18.5935, 17.4800,
41.9292

■ 18.5935, 17.4800,
41.9292

237.1768,
237.9235, 369.9804

■ 11.4792, 10.5773,
28.7207

■ 40.5683, 39.1492,
79.3614

■ 6.4598, 5.7834,
18.6259

■ 56.1594, 54.6846,
104.4222

■ 3.1699, 2.7138,
11.2262

■ 75.3069, 73.8662,
134.2708

■ 1.2442, 0.9842,
6.1031

■ 98.3761, 97.0787,
169.3258

■ 0.1409, 0.0000,
2.8381

125.7323,
124.7062, 210.0057

■ 0.0000, 0.0000,
1.0126

157.7410,

■ 0.0000, 0.0000,

157.1332, 256.7291

0.0000

194.7673,
194.7442, 309.9144

■ 18.5935, 17.4800,
41.9292

■ 18.5935, 17.4800,
41.9292

■ 15.4562, 13.7166,
41.3685

■ 22.3788, 21.9372,
42.5904

■ 12.9279, 10.6094,
40.9020

■ 26.8444, 27.1193,
43.3552

■ 10.9681, 8.1203,
40.5248

■ 32.0227, 33.0577,
44.2285

■ 9.5304, 6.2059,
40.2311

■ 37.9432, 39.7815,
45.2143

■ 8.5606, 4.8170,
40.0141

■ 44.6341, 47.3181,
46.3164

■ 8.0792, 4.0899,
39.8991

■ 52.1218, 55.6937,
47.5384

■ 60.4315, 64.9332,
48.8838

■ 69.5875, 75.0605,
50.3560

■ 79.6127, 86.0986,
51.9582

Harmonies

Analogous

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



15.2984, 17.4800, 42.6523



18.5935, 17.4800, 41.9292



21.7146, 17.4800, 33.9728

Triad

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



18.5935, 17.4800, 41.9292



21.2339, 17.4800, 8.5757



11.1896, 17.4800, 15.4170

Complementary

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



18.5935, 17.4800, 41.9292



31.8844, 34.5821, 16.7996

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.



12.3824, 17.4800, 9.2758



18.5935, 17.4800, 41.9292



18.0034, 17.4800, 6.2900

Square

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



18.5935, 17.4800, 41.9292



23.3714, 17.4800, 14.0805



14.7806, 17.4800, 6.4952



11.3039, 17.4800, 25.0282

Rectangle

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



18.5935, 17.4800, 41.9292



23.1461, 17.4800, 26.7669



14.7806, 17.4800, 6.4952



11.4437, 17.4800, 12.9534

Sweetspot

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



18.5941, 17.4806, 41.9296



56.9012, 58.6914, 79.1353



26.2785, 35.0158, 37.8123



11.9118, 12.2361, 17.1217



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



18.5941, 17.4806, 41.9296



28.1318, 25.1118, 74.1701



19.9185, 16.0210, 41.5781



7.6970, 7.9933, 10.0899



5.9676, 3.0691, 29.3224



0.2013, 0.1559, 0.8275

Inverse Universe

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



24.6766, 19.0008, 17.9903



40.5738, 28.7088, 25.0918



29.9216, 37.3487, 17.4371



8.0649, 8.0392, 8.6523



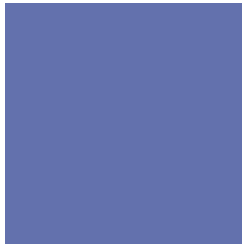
12.8758, 6.6129, 1.7256



0.3760, 0.1911, 0.1417

Previews

White Background



This preview shows how the XYZ color 18.5935, 17.4800, 41.9292 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 18.5935, 17.4800, 41.9292 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

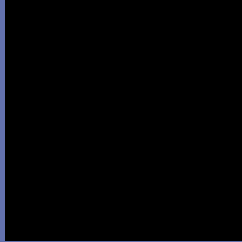
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.5935, 17.4800, 41.9292

Background



This preview shows how black text looks on a background with the XYZ color 18.5935, 17.4800, 41.9292.



This preview shows how white text looks on a background with the XYZ color 18.5935, 17.4800,

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

18.5935, 17.4800, 41.9292

Protanopia

18.3766, 17.5235, 42.4582

Deuteranopia

17.9879, 17.5027, 41.9655



Tritanopia

14.9586, 17.3881, 24.0406

Trichromacy



Original Color

18.5935, 17.4800, 41.9292

Protanomaly

18.4812, 17.5774, 42.4631

Deuteranomaly

18.1762, 17.4314, 41.9418

Tritanomaly

16.0804, 17.3075, 29.6873

Monochromacy



Original Color

18.5935, 17.4800, 41.9292

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

17.0765, 17.3826, 26.1221

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.5935, 17.4800, 41.9292 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(99, 113, 173)` looks like.

```
.text, #text, p{  
    color:rgb(99, 113, 173)  
}
```

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(99, 113, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 113, 173) }
```

Border

The CSS property to change the border of an element to XYZ 18.5935, 17.4800, 41.9292 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(99, 113, 173) }
```


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

```
.border{ border-color:rgb(99, 113, 173) }
```

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

Here you see how a box with a 4 pixel rgb(99, 113, 173) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 113, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 113, 173);  
box-shadow:4px 4px 4px 4px rgb(99, 113,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 18.5935, 17.4800, 41.9292 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 113, 173) }
```

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

```
.background{ background-color: rgb(99, 113,  
173) }
```

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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