

Converting Colors

XYZ(17.5064, 18.4187, 44.5351)

Have a look what the booklet for
XYZ(17.5064, 18.4187, 44.5351)
contains.

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Color

**XYZ(17.5939, 18.4730,
44.7578)**

Conversions

Conversions Part 1

Format	Color
Hex	477AB2
RGB	71, 122, 178
RGB Percent	28%, 48%, 70%
CMY	0.7215, 0.5216, 0.3020
CMYK	0.60, 0.31, 0.00, 0.30
HSL	211°, 43%, 49%
HSV	211°, 60%, 70%
XYZ	17.5939, 18.4730, 44.7578
YIQ	113.1350, -48.3720, 6.6040

Conversions

Conversions Part 2

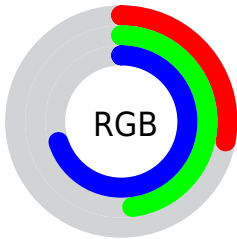
Format	Color
R_{YB}	71, 106, 178
Decimal	4684466
CIE Lab	50.06, 0.19, -34.80
CIE LCh	50, 34.803, 270.319
Yxy	18.4730, 0.2177, 0.2286
Android (android.graphics.Color)	4282874546 (0xFF477AB2)
YUV	113.1350, 31.9784, -36.9524
Hunter-Lab	42.9802, -2.1467, -31.6560

Details

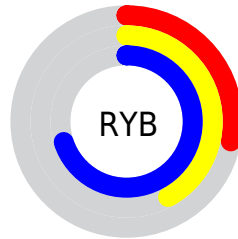
The XYZ color **17.5939, 18.4730, 44.7578** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **27.0876, 25.0998, 9.3791**, and the grayscale version is **15.6551, 16.4704, 17.9362**.

A 20% lighter version of the original color is **38.8894, 40.8018, 83.6677**, and **6.1505, 6.3782, 20.3090** is the 20% darker color. If you saturate the color by 10%, you get **15.3850, 15.7170, 44.3426**, and if you desaturate by 10%, it is **20.2961, 21.6467, 45.2283**.

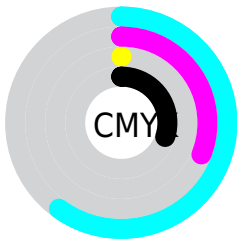
Distribution



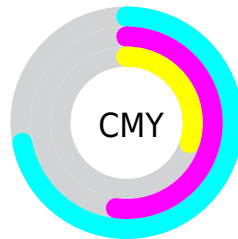
- Red (28%)
- Green (48%)
- Blue (70%)



- Red (28%)
- Yellow (42%)
- Blue (70%)



- Cyan (60%)
- Magenta (31%)
- Yellow (0%)
- Black (30%)



- Cyan (72%)
- Magenta (52%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.5939, 18.4730, 44.7578 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 17.5939, 18.4730, 44.7578 by changing the saturation by 10% instead.

■ 17.5939, 18.4730,
44.7578

■ 17.5939, 18.4730,
44.7578

231.6621,
243.5238, 381.9232

■ 10.7567, 11.2901,
30.9251

■ 38.8796, 40.8417,
83.6714

■ 5.9696, 6.2623,
20.2839

■ 54.0589, 56.7962,
109.5895

■ 2.8671, 3.0052,
12.4154

■ 72.7497, 76.4435,
140.3731

■ 1.0839, 1.1345,
6.9013

■ 95.3172, 100.1678,
176.4408

■ 0.0116, 0.0072,
3.3229

■ 122.1268,
128.3536, 218.2111

■ 0.0000, 0.0000,
1.2618

153.5439,

■ 0.0000, 0.0000,

161.3853, 266.1026

0.0302

189.9339,
199.6472, 320.5338

■ 0.0000, 0.0000,
0.0000

■ 17.5939, 18.4730,
44.7578

■ 17.5939, 18.4730,
44.7578

■ 15.3850, 15.7170,
44.3426

■ 20.2961, 21.6467,
45.2283

■ 13.6300, 13.3530,
43.9788

■ 23.5229, 25.2577,
45.7553

■ 12.2855, 11.3541,
43.6639

■ 27.3052, 29.3265,
46.3413

■ 11.2718, 9.6861,
43.3953

■ 31.6705, 33.8712,
46.9884

■ 36.6445, 38.9092,
47.6987

■ 42.2516, 44.4567,
48.4739

■ 48.5142, 50.5290,
49.3159

■ 55.4541, 57.1408,
50.2264

■ 63.0917, 64.3063,
51.2069

Harmonies

Analogous

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



14.5593, 18.4730, 40.7605



17.5939, 18.4730, 44.7578



21.0125, 18.4730, 40.5963

Triad

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



17.5939, 18.4730, 44.7578



23.7222, 18.4730, 12.1684



12.5378, 18.4730, 12.2960

Complementary

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



17.5939, 18.4730, 44.7578



27.0876, 25.0998, 9.3791

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.



14.5046, 18.4730, 8.0272



17.5939, 18.4730, 44.7578



20.9426, 18.4730, 7.9717

Square

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



17.5939, 18.4730, 44.7578



24.8145, 18.4730, 20.0115



17.5222, 18.4730, 6.7366



11.8751, 18.4730, 20.2168

Rectangle

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



17.5939, 18.4730, 44.7578



22.9932, 18.4730, 34.3324



17.5222, 18.4730, 6.7366



13.0549, 18.4730, 10.4890

Sweetspot

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



17.5946, 18.4736, 44.7583



58.9714, 62.9991, 85.4331



22.3038, 34.6946, 25.3568



12.5214, 13.3999, 18.8487



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



17.5946, 18.4736, 44.7583



26.8162, 27.0827, 80.1953



13.0211, 9.1297, 43.1957



8.3649, 8.8760, 10.7787



8.1273, 7.0550, 31.0704



0.3143, 0.3391, 0.9971

Inverse Universe

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



24.1267, 15.3773, 20.1094



40.2643, 22.9740, 28.9416



35.0117, 41.5515, 12.1370



8.6594, 8.5705, 9.7047



14.3369, 7.2523, 6.9343



0.4806, 0.2400, 0.3738

Previews

White Background



This preview shows how the XYZ color 17.5939, 18.4730, 44.7578 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 17.5939, 18.4730, 44.7578 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

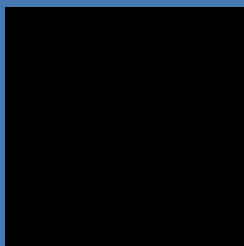
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 17.5939, 18.4730, 44.7578

Background



This preview shows how black text looks on a background with the XYZ color 17.5939, 18.4730, 44.7578.

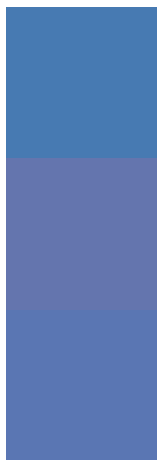


This preview shows how white text looks on a background with the XYZ color 17.5939, 18.4730,

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

17.5939, 18.4730, 44.7578

Protanopia

19.2568, 18.4879, 42.5980

Deuteranopia

18.8316, 18.3852, 45.2040



Tritanopia

14.1052, 18.3782, 27.6149

Trichromacy



Original Color

17.5939, 18.4730, 44.7578

Protanomaly

18.4545, 18.4126, 43.1388

Deuteranomaly

18.3008, 18.2873, 45.2131

Tritanomaly

15.1571, 18.2155, 33.2889

Monochromacy



Original Color

17.5939, 18.4730, 44.7578

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

15.7978, 16.8936, 26.0951

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.5939, 18.4730, 44.7578 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(71, 122, 178)` looks like.

```
.text, #text, p{  
    color:rgb(71, 122, 178)  
}
```

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(71, 122, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 122, 178) }
```

Border

The CSS property to change the border of an element to XYZ 17.5939, 18.4730, 44.7578 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(71, 122, 178) }
```


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

```
.border{ border-color:rgb(71, 122, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 122, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 122, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 122, 178);  
box-shadow:4px 4px 4px 4px rgb(71, 122,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 17.5939, 18.4730, 44.7578 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 122, 178) }
```

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

```
.background{ background-color: rgb(71, 122,  
178) }
```

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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