

Converting Colors

XYZ(17.5286, 17.6756, 47.8353)

Have a look what the booklet for
XYZ(17.5286, 17.6756, 47.8353)
contains.

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Color

**XYZ(17.5141, 17.6465,
47.8304)**

Conversions

Conversions Part 1

Format	Color
Hex	4476B8
RGB	68, 118, 184
RGB Percent	27%, 46%, 72%
CMY	0.7333, 0.5372, 0.2784
CMYK	0.63, 0.36, 0.00, 0.28
HSL	214°, 46%, 49%
HSV	214°, 63%, 72%
XYZ	17.5141, 17.6465, 47.8304
YIQ	110.5740, -50.9860, 9.9260

Conversions

Conversions Part 2

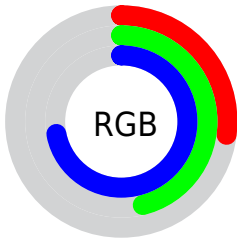
Format	Color
R _Y B	68, 103, 184
Decimal	4486840
CIE Lab	49.06, 4.07, -39.86
CIE LCh	49, 40.063, 275.837
Yxy	17.6465, 0.2110, 0.2126
Android (android.graphics.Color)	4282676920 (0xFF4476B8)
YUV	110.5740, 36.1990, -37.3374
Hunter-Lab	42.0077, 0.9077, -38.1027

Details

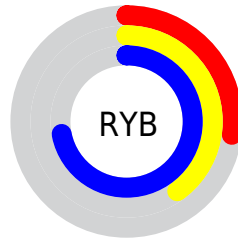
The XYZ color **17.5141, 17.6465, 47.8304** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **29.3369, 27.6599, 9.2627**, and the grayscale version is **14.8963, 15.6721, 17.0669**.

A 20% lighter version of the original color is **38.7071, 39.4763, 88.0177**, and **6.2194, 5.9920, 21.9479** is the 20% darker color. If you saturate the color by 10%, you get **15.2612, 14.7555, 47.3915**, and if you desaturate by 10%, it is **20.3079, 21.0200, 48.3347**.

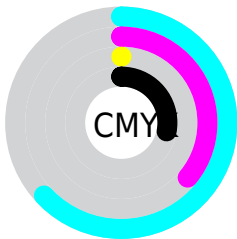
Distribution



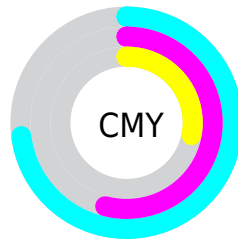
- Red (27%)
- Green (46%)
- Blue (72%)



- Red (27%)
- Yellow (40%)
- Blue (72%)



- Cyan (63%)
- Magenta (36%)
- Yellow (0%)
- Black (28%)



- Cyan (73%)
- Magenta (54%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.5141, 17.6465, 47.8304 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 17.5141, 17.6465, 47.8304 by changing the saturation by 10% instead.

■ 17.5141, 17.6465,
47.8304

■ 17.5141, 17.6465,
47.8304

231.2168,
238.8709, 394.6088

■ 10.6993, 10.6965,
33.3336

■ 38.7442, 39.4340,
88.3148

■ 5.9308, 5.8631,
22.1089

■ 53.8902, 55.0404,
115.1393

■ 2.8433, 2.7620,
13.7379

■ 72.5440, 74.3009,
146.9103

■ 1.0714, 1.0088,
7.8019

■ 95.0709, 97.6001,
184.0461

■ 0.0010, 0.0000,
3.8825

■ 121.8362,
125.3223, 226.9653

■ 0.0000, 0.0000,
1.5611

153.2054,

■ 0.0000, 0.0000,

157.8519, 276.0864

0.2628

189.5438,
195.5733, 331.8281

■ 0.0000, 0.0000,
0.0000

■ 17.5141, 17.6465,
47.8304

■ 17.5141, 17.6465,
47.8304

■ 15.2612, 14.7555,
47.3915

■ 20.3079, 21.0200,
48.3347

■ 13.5036, 12.3162,
47.0133

■ 23.6789, 24.9003,
48.9060

■ 12.1903, 10.2955,
46.6925

■ 27.6623, 29.3118,
49.5475

■ 11.4699, 9.0969,
46.4991

■ 32.2898, 34.2766,
50.2619

■ 37.5907, 39.8154,
51.0517

■ 43.5925, 45.9478,
51.9190

■ 50.3210, 52.6923,
52.8662

■ 57.8007, 60.0664,
53.8953

■ 66.0550, 68.0872,
55.0084

Harmonies

Analogous

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



13.9989, 17.6465, 44.7807



17.5141, 17.6465, 47.8304



21.3426, 17.6465, 41.2007

Triad

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



17.5141, 17.6465, 47.8304



23.3005, 17.6465, 9.5060



11.0319, 17.6465, 11.9593

Complementary

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



17.5141, 17.6465, 47.8304



29.3369, 27.6599, 9.2627

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.



12.9063, 17.6465, 6.8908



17.5141, 17.6465, 47.8304



19.8902, 17.6465, 5.8872

Square

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



17.5141, 17.6465, 47.8304



24.9875, 17.6465, 17.1957



16.0521, 17.6465, 5.1492



10.5899, 17.6465, 21.3844

Rectangle

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



17.5141, 17.6465, 47.8304



23.4508, 17.6465, 33.2473



16.0521, 17.6465, 5.1492



11.5002, 17.6465, 9.8174

Sweetspot

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



17.5148, 17.6471, 47.8308



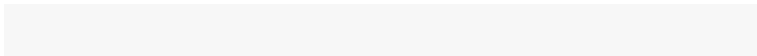
61.9646, 65.7487, 91.6295



23.8098, 37.2243, 28.3882



12.7902, 13.5764, 19.6680



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



17.5148, 17.6471, 47.8308



26.2118, 24.7801, 85.6061



13.6792, 9.1217, 46.3874



8.8309, 9.3390, 11.4166



7.9724, 6.4045, 32.0691



0.3428, 0.3492, 1.1511

Inverse Universe

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



25.1050, 15.6336, 18.8344



41.7700, 23.2304, 25.5920



36.1493, 43.9600, 12.0499



9.1610, 9.0748, 10.1952



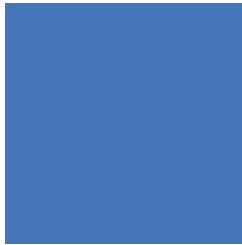
14.6378, 7.4289, 5.9794



0.5472, 0.2743, 0.3748

Previews

White Background



This preview shows how the XYZ color 17.5141, 17.6465, 47.8304 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 17.5141, 17.6465, 47.8304 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 17.5141, 17.6465, 47.8304

Background



This preview shows how black text looks on a background with the XYZ color 17.5141, 17.6465, 47.8304.



This preview shows how white text looks on a background with the XYZ color 17.5141, 17.6465,

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

17.5141, 17.6465, 47.8304

Protanopia

18.6692, 17.6052, 45.5942

Deuteranopia

18.0390, 17.5712, 47.7882



Tritanopia

13.2155, 17.5492, 26.7356

Trichromacy



Original Color

17.5141, 17.6465, 47.8304

Protanomaly

18.0385, 17.4367, 46.1309

Deuteranomaly

17.8371, 17.6391, 47.8120

Tritanomaly

14.5922, 17.5387, 33.6266

Monochromacy



Original Color

17.5141, 17.6465, 47.8304

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

15.3241, 16.3025, 26.3838

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.5141, 17.6465, 47.8304 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(68, 118, 184)` looks like.

```
.text, #text, p{  
    color:rgb(68, 118, 184)  
}
```

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(68, 118, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 118, 184) }
```

Border

The CSS property to change the border of an element to XYZ 17.5141, 17.6465, 47.8304 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(68, 118, 184) }
```


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

```
.border{ border-color:rgb(68, 118, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 118, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 118, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 118, 184);  
box-shadow:4px 4px 4px 4px rgb(68, 118,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 17.5141, 17.6465, 47.8304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 118, 184) }
```

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

```
.background{ background-color: rgb(68, 118,  
184) }
```

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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