

Converting Colors

XYZ(17.5411, 16.5746, 47.6218)

Have a look what the booklet for
XYZ(17.5411, 16.5746, 47.6218)
contains.

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Color

**XYZ(17.5878, 16.6687,
47.6378)**

Conversions

Conversions Part 1

Format	Color
Hex	4E70B8
RGB	78, 112, 184
RGB Percent	31%, 44%, 72%
CMY	0.6941, 0.5608, 0.2784
CMYK	0.58, 0.39, 0.00, 0.28
HSL	221°, 43%, 51%
HSV	221°, 58%, 72%
XYZ	17.5878, 16.6687, 47.6378
YIQ	110.0420, -43.3760, 15.1840

Conversions

Conversions Part 2

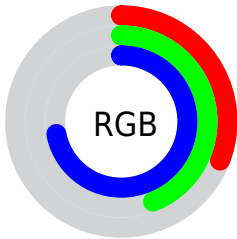
Format	Color
R _Y B	78, 104, 184
Decimal	5140664
CIE Lab	47.84, 9.75, -41.76
CIE LCh	48, 42.886, 283.143
Yxy	16.6687, 0.2148, 0.2035
Android (android.graphics.Color)	4283330744 (0xFF4E70B8)
YUV	110.0420, 36.4613, -28.1008
Hunter-Lab	40.8273, 5.4473, -40.6012

Details

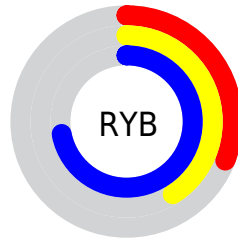
The XYZ color **17.5878, 16.6687, 47.6378** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **32.0499, 32.5549, 11.8033**, and the grayscale version is **14.7413, 15.5090, 16.8894**.

A 20% lighter version of the original color is **38.6569, 37.5540, 87.6493**, and **5.9446, 5.4052, 21.8491** is the 20% darker color. If you saturate the color by 10%, you get **15.0011, 13.4283, 47.1490**, and if you desaturate by 10%, it is **20.7889, 20.5105, 48.2110**.

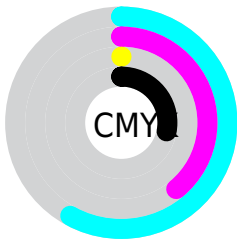
Distribution



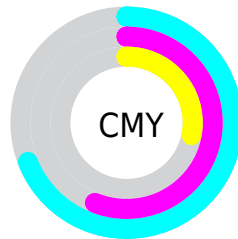
- Red (31%)
- Green (44%)
- Blue (72%)



- Red (31%)
- Yellow (41%)
- Blue (72%)



- Cyan (58%)
- Magenta (39%)
- Yellow (0%)
- Black (28%)



- Cyan (69%)
- Magenta (56%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.5878, 16.6687, 47.6378 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 17.5878, 16.6687, 47.6378 by changing the saturation by 10% instead.

■ 17.5878, 16.6687,
47.6378

■ 17.5878, 16.6687,
47.6378

231.6281,
233.2559, 393.8219

■ 10.7523, 9.9986,
33.1822

■ 38.8693, 37.7553,
88.0248

■ 5.9666, 5.3980,
21.9938

■ 54.0461, 52.9405,
114.7933

■ 2.8653, 2.4826,
13.6541

■ 72.7340, 71.7329,
146.5031

■ 1.0829, 0.8679,
7.7445

■ 95.2984, 94.5168,
183.5729

■ 0.0108, 0.0000,
3.8465

■ 122.1046,
121.6767, 226.4211

■ 0.0000, 0.0000,
1.5415

153.5181,

■ 0.0000, 0.0000,

153.5969, 275.4663

0.2486

189.9041,
190.6618, 331.1271

■ 0.0000, 0.0000,
0.0000

■ 17.5878, 16.6687,
47.6378

■ 17.5878, 16.6687,
47.6378

■ 15.0011, 13.4283,
47.1490

■ 20.7889, 20.5105,
48.2110

■ 12.9830, 10.7534,
46.7391

■ 24.6420, 24.9833,
48.8712

■ 11.4833, 8.6059,
46.4036

■ 29.1835, 30.1166,
49.6227

■ 10.4299, 6.9351,
46.1366

■ 34.4467, 35.9374,
50.4688

■ 10.2165, 6.5901,
46.0813

■ 40.4625, 42.4710,
51.4129

■ 47.2599, 49.7415,
52.4579

■ 54.8666, 57.7718,
53.6070

■ 63.3086, 66.5837,
54.8630

■ 72.6109, 76.1981,
56.2284

Harmonies

Analogous

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



13.7907, 16.6687, 46.9638



17.5878, 16.6687, 47.6378



21.4675, 16.6687, 38.4461

Triad

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



17.5878, 16.6687, 47.6378



21.8859, 16.6687, 7.1644



9.7587, 16.6687, 12.6664

Complementary

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



17.5878, 16.6687, 47.6378



32.0499, 32.5549, 11.8033

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.



11.2984, 16.6687, 6.6538



17.5878, 16.6687, 47.6378



18.0897, 16.6687, 4.4762

Square

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



17.5878, 16.6687, 47.6378



24.2067, 16.6687, 13.7404



14.2178, 16.6687, 4.3376



9.6691, 16.6687, 23.4131

Rectangle

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



17.5878, 16.6687, 47.6378



23.4130, 16.6687, 29.5193



14.2178, 16.6687, 4.3376



10.1109, 16.6687, 10.1534

Sweetspot

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



17.5885, 16.6693, 47.6382



62.7724, 65.5060, 91.5401



25.6814, 38.0606, 34.2883



13.0992, 13.6466, 19.6653



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.



17.5885, 16.6693, 47.6382



26.1664, 23.0116, 85.2672



16.1660, 11.3793, 46.6921



8.7500, 9.1772, 11.3896



7.0986, 4.6568, 31.7778



0.3078, 0.2794, 1.1394

Inverse Universe

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



25.4168, 16.8099, 17.2346



42.1566, 24.9530, 22.7940



34.3121, 42.9746, 13.6953



9.1201, 9.0584, 9.9801



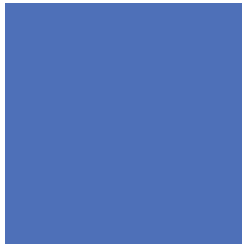
14.1967, 7.2524, 3.6567



0.5295, 0.2673, 0.2820

Previews

White Background



This preview shows how the XYZ color 17.5878, 16.6687, 47.6378 looks on a white background.

Color Contrast Check

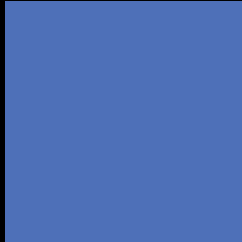
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.5878, 16.6687, 47.6378 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 17.5878, 16.6687, 47.6378

Background



This preview shows how black text looks on a background with the XYZ color 17.5878, 16.6687, 47.6378.



This preview shows how white text looks on a background with the XYZ color 17.5878, 16.6687,

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

17.5878, 16.6687, 47.6378

Protanopia

17.9780, 16.7191, 47.0793

Deuteranopia

17.1948, 16.7974, 47.6834



Tritanopia

13.0039, 16.7292, 24.7340

Trichromacy



Original Color

17.5878, 16.6687, 47.6378

Protanomaly

17.7114, 16.5816, 47.0668

Deuteranomaly

17.3045, 16.6874, 47.6563

Tritanomaly

14.4443, 16.5845, 32.1456

Monochromacy



Original Color

17.5878, 16.6687, 47.6378

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

15.2368, 15.7717, 25.9081

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.5878, 16.6687, 47.6378 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(78, 112, 184)` looks like.

```
.text, #text, p{  
    color:rgb(78, 112, 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(78, 112, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 112, 184) }
```

Border

The CSS property to change the border of an element to XYZ 17.5878, 16.6687, 47.6378 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(78, 112, 184) }
```


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

```
.border{ border-color:rgb(78, 112, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 112, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 112, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 112, 184);  
box-shadow:4px 4px 4px 4px rgb(78, 112,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 17.5878, 16.6687, 47.6378 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 112, 184) }
```

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

```
.background{ background-color: rgb(78, 112,  
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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