

Converting Colors

XYZ(18.4821, 17.1164, 55.7558)

Have a look what the booklet for
XYZ(18.4821, 17.1164, 55.7558)
contains.

XYZ(18.4821, 17.1164, 55.7558)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(18.4821, 17.1164,
55.7558)**

Conversions

Conversions Part 1

Format	Color
Hex	4471C6
RGB	68, 113, 198
RGB Percent	27%, 44%, 78%
CMY	0.7333, 0.5569, 0.2235
CMYK	0.66, 0.43, 0.00, 0.22
HSL	219°, 53%, 52%
HSV	219°, 66%, 78%
XYZ	18.4821, 17.1164, 55.7558
YIQ	109.2350, -54.1050, 16.8950

Conversions

Conversions Part 2

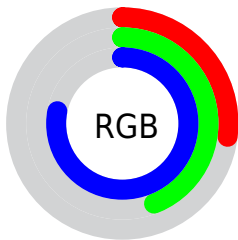
Format	Color
R _Y B	68, 101, 198
Decimal	4485574
CIE Lab	48.41, 12.06, -48.96
CIE LCh	48, 50.425, 283.836
Yxy	17.1164, 0.2023, 0.1874
Android (android.graphics.Color)	4282675654 (0xFF4471C6)
YUV	109.2350, 43.7611, -36.1631
Hunter-Lab	41.3720, 7.3404, -50.9430

Details

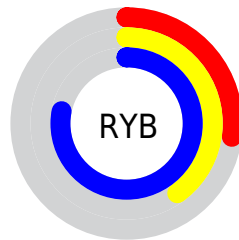
The XYZ color **18.4821, 17.1164, 55.7558** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark muted azure. A complement of this color would be **35.7250, 35.2084, 10.3831**, and the grayscale version is **14.4940, 15.2488, 16.6060**.

A 20% lighter version of the original color is **40.2275, 38.3601, 99.8918**, and **6.9061, 5.8796, 26.7575** is the 20% darker color. If you saturate the color by 10%, you get **15.9842, 13.8354, 55.2545**, and if you desaturate by 10%, it is **21.6537, 21.0510, 56.3485**.

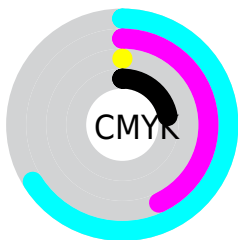
Distribution



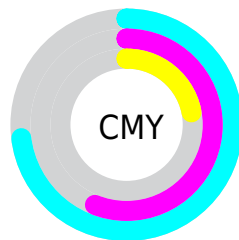
- Red (27%)
- Green (44%)
- Blue (78%)



- Red (27%)
- Yellow (40%)
- Blue (78%)



- Cyan (66%)
- Magenta (43%)
- Yellow (0%)
- Black (22%)



- Cyan (73%)
- Magenta (56%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4821, 17.1164, 55.7558 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 18.4821, 17.1164, 55.7558 by changing the saturation by 10% instead.

■ 18.4821, 17.1164,
55.7558

■ 18.4821, 17.1164,
55.7558

236.5679,
235.8423, 426.1330

■ 11.3984, 10.3175,
39.6045

■ 40.3808, 38.5258,
100.1297

■ 6.4048, 5.6100,
26.9189

■ 55.9265, 53.9051,
129.1893

■ 3.1357, 2.6094,
17.2804

■ 75.0237, 72.9133,
163.3888

■ 1.2259, 0.9314,
10.2705

■ 98.0376, 95.9349,
203.1467

■ 0.1267, 0.0000,
5.4708

■ 125.3336,
123.3542, 248.8815

■ 0.0000, 0.0000,
2.4625

157.2771,

■ 0.0000, 0.0000,

155.5556, 301.0118

0.8202

194.2334,
192.9235, 359.9561

■ 0.0000, 0.0000,
0.0000

■ 18.4821, 17.1164,
55.7558

■ 18.4821, 17.1164,
55.7558

■ 15.9842, 13.8354,
55.2545

■ 21.6537, 21.0510,
56.3485

■ 14.1001, 11.1637,
54.8381

■ 25.5473, 25.6757,
57.0359

■ 12.7604, 9.0518,
54.5011

■ 30.2090, 31.0258,
57.8229

■ 12.2925, 8.2761,
54.3761

■ 35.6802, 37.1336,
58.7135

■ 41.9991, 44.0293,
59.7114

■ 49.2014, 51.7411,
60.8203

■ 57.3209, 60.2960,
62.0437

■ 66.3892, 69.7196,
63.3846

■ 76.4367, 80.0364,
64.8464

Harmonies

Analogous

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



13.9235, 17.1164, 55.2035



18.4821, 17.1164, 55.7558



23.2133, 17.1164, 43.6037

Triad

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



18.4821, 17.1164, 55.7558



23.5375, 17.1164, 6.0032



9.1531, 17.1164, 12.4249

Complementary

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



18.4821, 17.1164, 55.7558



35.7250, 35.2084, 10.3831

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.



10.8688, 17.1164, 5.6670



18.4821, 17.1164, 55.7558



18.8634, 17.1164, 3.3410

Square

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



18.4821, 17.1164, 55.7558



26.4837, 17.1164, 13.2007



14.2393, 17.1164, 3.2569



9.0897, 17.1164, 25.3917

Rectangle

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



18.4821, 17.1164, 55.7558



25.5929, 17.1164, 32.2228



14.2393, 17.1164, 3.2569



9.5386, 17.1164, 9.5339

Sweetspot

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



18.4828, 17.1169, 55.7562



68.9808, 72.1153, 104.8917



28.2875, 43.9012, 36.9052



14.0916, 14.6994, 22.3445



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



18.4828, 17.1169, 55.7562



26.6645, 22.2262, 97.4925



16.2387, 10.2632, 54.5516



10.3519, 10.8778, 13.4715



8.0667, 5.5273, 35.3861



0.4497, 0.3972, 1.6981

Inverse Universe

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



28.3372, 17.3334, 17.4752



46.1307, 25.2936, 21.2802



39.7133, 50.3304, 13.0918



10.7829, 10.6965, 11.8400



15.8710, 8.0980, 4.5306



0.7857, 0.3971, 0.3946

Previews

White Background



This preview shows how the XYZ color 18.4821, 17.1164, 55.7558 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 18.4821, 17.1164, 55.7558 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

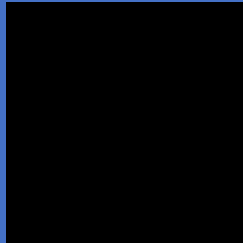
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.4821, 17.1164, 55.7558

Background



This preview shows how black text looks on a background with the XYZ color 18.4821, 17.1164, 55.7558.



This preview shows how white text looks on a background with the XYZ color 18.4821, 17.1164,

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

18.4821, 17.1164, 55.7558

Protanopia

18.9328, 17.1973, 55.1449

Deuteranopia

17.6388, 17.2001, 55.2136



Tritanopia

12.4551, 16.9747, 26.2869

Trichromacy



Original Color

18.4821, 17.1164, 55.7558

Protanomaly

18.6963, 17.0754, 55.1338

Deuteranomaly

17.8961, 17.1625, 55.1928

Tritanomaly

14.0916, 16.6915, 35.2800

Monochromacy



Original Color

18.4821, 17.1164, 55.7558

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

14.9997, 15.4546, 27.3918

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4821, 17.1164, 55.7558 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, 113, 198)` looks like.

```
.text, #text, p{  
    color:rgb(68, 113, 198)  
}
```

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, 113, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 113, 198) }
```

Border

The CSS property to change the border of an element to XYZ 18.4821, 17.1164, 55.7558 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, 113, 198) }
```


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

```
.border{ border-color:rgb(68, 113, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 113, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 113, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 113, 198);  
box-shadow:4px 4px 4px 4px rgb(68, 113,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4821, 17.1164, 55.7558 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 113, 198) }
```

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

```
.background{ background-color: rgb(68, 113,  
198) }
```

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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