

Converting Colors

XYZ(18.3352, 17.5827, 44.5416)

Have a look what the booklet for
XYZ(18.3352, 17.5827, 44.5416)
contains.

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Color

**XYZ(18.3831, 17.6495,
44.5573)**

Conversions

Conversions Part 1

Format	Color
Hex	5A73B2
RGB	90, 115, 178
RGB Percent	35%, 45%, 70%
CMY	0.6470, 0.5490, 0.3020
CMYK	0.49, 0.35, 0.00, 0.30
HSL	223°, 36%, 53%
HSV	223°, 49%, 70%
XYZ	18.3831, 17.6495, 44.5573
YIQ	114.7070, -35.1230, 14.2930

Conversions

Conversions Part 2

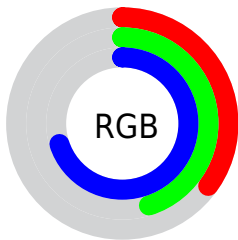
Format	Color
R _Y B	90, 109, 178
Decimal	5927858
CIE Lab	49.07, 8.69, -36.30
CIE LCh	49, 37.324, 283.461
Yxy	17.6495, 0.2281, 0.2190
Android (android.graphics.Color)	4284117938 (0xFF5A73B2)
YUV	114.7070, 31.2034, -21.6680
Hunter-Lab	42.0113, 4.5874, -33.4752

Details

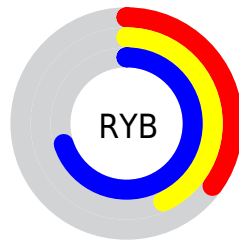
The XYZ color **18.3831, 17.6495, 44.5573** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **31.5977, 32.9868, 14.3755**, and the grayscale version is **16.1240, 16.9637, 18.4734**.

A 20% lighter version of the original color is **40.3471, 39.5977, 83.3585**, and **6.3360, 5.8183, 20.1911** is the 20% darker color. If you saturate the color by 10%, you get **15.5005, 14.1535, 44.0348**, and if you desaturate by 10%, it is **21.8825, 21.7623, 45.1670**.

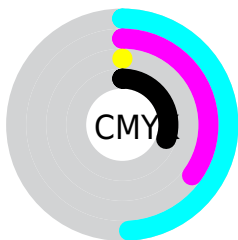
Distribution



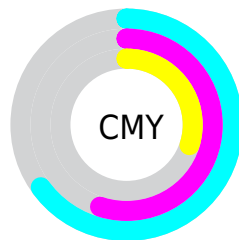
- Red (35%)
- Green (45%)
- Blue (70%)



- Red (35%)
- Yellow (43%)
- Blue (70%)



- Cyan (49%)
- Magenta (35%)
- Yellow (0%)
- Black (30%)



- Cyan (65%)
- Magenta (55%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.3831, 17.6495, 44.5573 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 18.3831, 17.6495, 44.5573 by changing the saturation by 10% instead.

■ 18.3831, 17.6495,
44.5573

■ 18.3831, 17.6495,
44.5573

236.0257,
238.8880, 381.0854

■ 11.3267, 10.6986,
30.7685

■ 40.2140, 39.4392,
83.3671

■ 6.3560, 5.8646,
20.1656

■ 55.7193, 55.0468,
109.2251

■ 3.1054, 2.7629,
12.3302

■ 74.7716, 74.3087,
139.9433

■ 1.2098, 1.0092,
6.8437

■ 97.7362, 97.6095,
175.9402

■ 0.1140, 0.0000,
3.2876

124.9786,
125.3334, 217.6343

■ 0.0000, 0.0000,
1.2433

156.8641,

■ 0.0000, 0.0000,

157.8648, 265.4441

0.0146

193.7580,
195.5882, 319.7883

■ 0.0000, 0.0000,
0.0000

■ 18.3831, 17.6495,
44.5573

■ 18.3831, 17.6495,
44.5573

■ 15.5005, 14.1535,
44.0348

■ 21.8825, 21.7623,
45.1670

■ 13.1944, 11.2406,
43.5941

■ 26.0316, 26.5193,
45.8666

■ 11.4227, 8.8762,
43.2311

■ 30.8631, 31.9488,
46.6599

■ 10.1357, 7.0208,
42.9408

■ 36.4070, 38.0764,
47.5505

■ 9.2448, 5.6134,
42.7161

■ 42.6914, 44.9265,
48.5415

■ 9.2009, 5.5442,
42.7050

■ 49.7427, 52.5222,
49.6359

■ 57.5864, 60.8857,
50.8368

■ 66.2462, 70.0380,
52.1470

■ 75.7454, 79.9995,
53.5691

Harmonies

Analogous

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



14.9401, 17.6495, 44.0917



18.3831, 17.6495, 44.5573



21.8167, 17.6495, 36.7720

Triad

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



18.3831, 17.6495, 44.5573



22.1212, 17.6495, 8.8128



11.1394, 17.6495, 14.2580

Complementary

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



18.3831, 17.6495, 44.5573



31.5977, 32.9868, 14.3755

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.



12.5774, 17.6495, 8.3866



18.3831, 17.6495, 44.5573



18.7550, 17.6495, 6.0711

Square

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



18.3831, 17.6495, 44.5573



24.1679, 17.6495, 15.0893



15.2641, 17.6495, 5.9482



11.0686, 17.6495, 24.0368

Rectangle

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



18.3831, 17.6495, 44.5573



23.5085, 17.6495, 29.1244



15.2641, 17.6495, 5.9482



11.4688, 17.6495, 11.8581

Sweetspot

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



18.3838, 17.6501, 44.5577



60.0065, 62.4210, 85.2669



25.7723, 36.2689, 35.1773



12.8415, 13.3273, 18.8178



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.



18.3838, 17.6501, 44.5577



27.8362, 25.3287, 79.8030



17.8287, 13.6908, 43.8228



8.2320, 8.6103, 10.7344



6.6306, 4.0615, 30.5715



0.2595, 0.2296, 0.9789

Inverse Universe

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



25.1114, 18.0160, 18.3741



41.7052, 27.0961, 25.5982



32.3438, 40.0943, 15.7081



8.5923, 8.5436, 9.3516



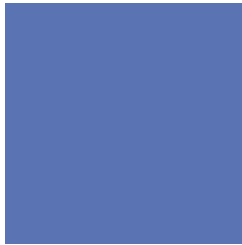
13.5815, 6.9501, 2.9560



0.4530, 0.2290, 0.2283

Previews

White Background



This preview shows how the XYZ color 18.3831, 17.6495, 44.5573 looks on a white background.

Color Contrast Check

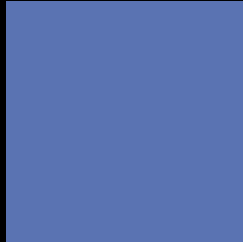
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.3831, 17.6495, 44.5573 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

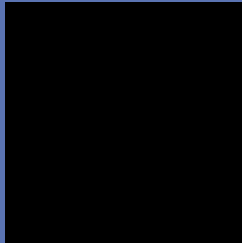
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

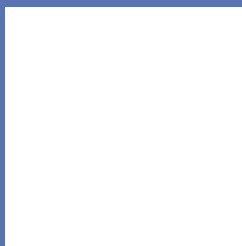
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.3831, 17.6495, 44.5573

Background



This preview shows how black text looks on a background with the XYZ color 18.3831, 17.6495, 44.5573.

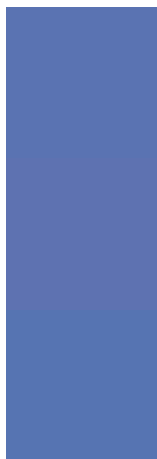


This preview shows how white text looks on a background with the XYZ color 18.3831, 17.6495,

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

18.3831, 17.6495, 44.5573

Protanopia

18.5692, 17.5886, 44.0112

Deuteranopia

18.1190, 17.6836, 44.5778



Tritanopia

14.4912, 17.6730, 25.2017

Trichromacy



Original Color

18.3831, 17.6495, 44.5573

Protanomaly

18.4673, 17.5361, 44.0064

Deuteranomaly

18.2118, 17.7314, 44.5821

Tritanomaly

15.7357, 17.6261, 31.4270

Monochromacy



Original Color

18.3831, 17.6495, 44.5573

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

16.6620, 17.1606, 26.4789

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3831, 17.6495, 44.5573 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(90, 115, 178)` looks like.

```
.text, #text, p{  
    color:rgb(90, 115, 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(90, 115, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 115, 178) }
```

Border

The CSS property to change the border of an element to XYZ 18.3831, 17.6495, 44.5573 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(90, 115, 178) }
```


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

```
.border{ border-color:rgb(90, 115, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 115, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 115, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 115, 178);  
box-shadow:4px 4px 4px 4px rgb(90, 115,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 18.3831, 17.6495, 44.5573 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 115, 178) }
```

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

```
.background{ background-color: rgb(90, 115,  
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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