

Converting Colors

XYZ(17.8540, 18.4307, 33.4914)

Have a look what the booklet for
XYZ(17.8540, 18.4307, 33.4914)
contains.

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Color

**XYZ(17.8884, 18.5088,
33.6401)**

Conversions

Conversions Part 1

Format	Color
Hex	64789B
RGB	100, 120, 155
RGB Percent	39%, 47%, 61%
CMY	0.6078, 0.5294, 0.3922
CMYK	0.35, 0.23, 0.00, 0.39
HSL	218°, 22%, 50%
HSV	218°, 35%, 61%
XYZ	17.8884, 18.5088, 33.6401
YIQ	118.0100, -23.1550, 6.6450

Conversions

Conversions Part 2

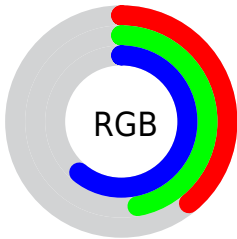
Format	Color
R_{YB}	100, 115, 155
Decimal	6584475
CIE _{Lab}	50.11, 1.59, -21.23
CIE _{LCh}	50, 21.287, 274.287
Yxy	18.5088, 0.2554, 0.2643
Android (android.graphics.Color)	4284774555 (0xFF64789B)
YUV	118.0100, 18.2361, -15.7948
Hunter-Lab	43.0219, -1.0683, -16.2454

Details

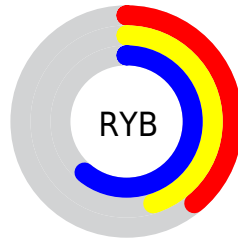
The XYZ color **17.8884, 18.5088, 33.6401** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **24.4822, 25.2171, 15.6343**, and the grayscale version is **17.1734, 18.0678, 19.6758**.

A 20% lighter version of the original color is **39.3343, 40.8336, 66.7813**, and **6.1314, 6.3123, 13.9919** is the 20% darker color. If you saturate the color by 10%, you get **15.2087, 15.4565, 33.1925**, and if you desaturate by 10%, it is **21.0178, 21.9752, 34.1446**.

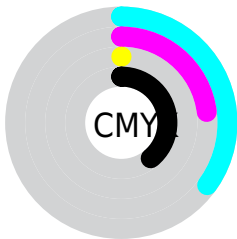
Distribution



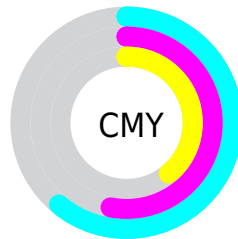
- Red (39%)
- Green (47%)
- Blue (61%)



- Red (39%)
- Yellow (45%)
- Blue (61%)



- Cyan (35%)
- Magenta (23%)
- Yellow (0%)
- Black (39%)



- Cyan (61%)
- Magenta (53%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.8884, 18.5088, 33.6401 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 17.8884, 18.5088, 33.6401 by changing the saturation by 10% instead.

■ 17.8884, 18.5088,
33.6401

■ 17.8884, 18.5088,
33.6401

233.2990,
243.7235, 333.2443

■ 10.9691, 11.3159,
22.3421

■ 39.3786, 40.9024,
66.5011

■ 6.1132, 6.2797,
13.9078

■ 54.6803, 56.8719,
88.9012

■ 2.9553, 3.0159,
7.9185

■ 73.5068, 76.5357,
115.8391

■ 1.1302, 1.1400,
3.9558

■ 96.2234, 100.2783,
147.7333

■ 0.0502, 0.0119,
1.6012

123.1956,
128.4839, 185.0024

■ 0.0000, 0.0000,
0.2916

154.7887,

■ 0.0000, 0.0000,

161.5371, 228.0649

0.0000

191.3681,
199.8221, 277.3394

■ 17.8884, 18.5088,
33.6401

■ 17.8884, 18.5088,
33.6401

■ 15.2087, 15.4565,
33.1925

■ 21.0178, 21.9752,
34.1446

■ 12.9545, 12.7990,
32.7984

■ 24.6156, 25.8693,
34.7066

■ 11.1022, 10.5191,
32.4559

■ 28.7016, 30.2068,
35.3284

■ 9.6248, 8.5965,
32.1627

■ 33.2942, 35.0019,
36.0119

■ 8.4917, 7.0093,
31.9161

■ 38.4103, 40.2681,
36.7588

■ 7.6633, 5.7301,
31.7128

■ 44.0666, 46.0184,
37.5706

■ 7.3484, 5.2304,
31.6330

■ 50.2784, 52.2652,
38.4489

■ 57.0609, 59.0204,
39.3953

■ 64.4285, 66.2955,
40.4113

Harmonies

Analogous

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



15.9363, 18.5088, 32.1342



17.8884, 18.5088, 33.6401



19.9079, 18.5088, 30.9960

Triad

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



17.8884, 18.5088, 33.6401



21.0548, 18.5088, 14.4378



14.2735, 18.5088, 15.6401

Complementary

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



17.8884, 18.5088, 33.6401



24.4822, 25.2171, 15.6343

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.



15.4632, 18.5088, 12.1891



17.8884, 18.5088, 33.6401



19.3587, 18.5088, 11.5954

Square

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



17.8884, 18.5088, 33.6401



21.8239, 18.5088, 19.3207



17.2990, 18.5088, 10.8599



13.9460, 18.5088, 21.0087

Rectangle

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



17.8884, 18.5088, 33.6401



20.9914, 18.5088, 27.4888



17.2990, 18.5088, 10.8599



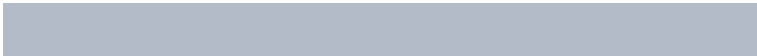
14.5811, 18.5088, 14.2542

Sweetspot

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



17.8890, 18.5095, 33.6405



47.0976, 49.5454, 62.6172



21.3388, 27.8970, 27.1207



10.4570, 10.9980, 14.1421



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



17.8890, 18.5095, 33.6405



27.9723, 28.5299, 59.5688



16.5777, 14.6281, 32.9605



6.0592, 6.3758, 7.8403



5.9359, 4.2685, 25.4188



0.1214, 0.1291, 0.3909

Inverse Universe

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



21.4654, 17.4396, 20.0048



35.5333, 26.7874, 30.6251



26.1746, 30.6281, 16.5895



6.2970, 6.2580, 6.9441



11.4549, 5.8362, 3.6548



0.1877, 0.0938, 0.1414

Previews

White Background



This preview shows how the XYZ color 17.8884, 18.5088, 33.6401 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 17.8884, 18.5088, 33.6401 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

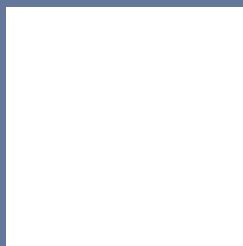
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.8884, 18.5088, 33.6401

Background



This preview shows how black text looks on a background with the XYZ color 17.8884, 18.5088, 33.6401.

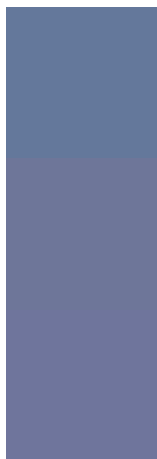


This preview shows how white text looks on a background with the XYZ color 17.8884, 18.5088,

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

17.8884, 18.5088, 33.6401

Protanopia

18.6586, 18.5718, 32.7383

Deuteranopia

18.9176, 18.5024, 34.0267



Tritanopia

16.2300, 18.5694, 25.2831

Trichromacy



Original Color

17.8884, 18.5088, 33.6401

Protanomaly

18.3734, 18.5909, 33.1919

Deuteranomaly

18.5426, 18.4830, 34.0428

Tritanomaly

16.8952, 18.6603, 28.3025

Monochromacy



Original Color

17.8884, 18.5088, 33.6401

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

17.2491, 18.2119, 24.0788

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.8884, 18.5088, 33.6401 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(100, 120, 155)` looks like.

```
.text, #text, p{  
    color:rgb(100, 120, 155)  
}
```

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(100, 120, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 120, 155) }
```

Border

The CSS property to change the border of an element to XYZ 17.8884, 18.5088, 33.6401 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(100, 120, 155) }
```


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

```
.border{ border-color:rgb(100, 120, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 120, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 120, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 120, 155);  
box-shadow:4px 4px 4px 4px rgb(100, 120,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 17.8884, 18.5088, 33.6401 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 120, 155) }
```

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

```
.background{ background-color: rgb(100,  
120, 155) }
```

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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