

Converting Colors

XYZ(17.6752, 18.3164, 33.5907)

Have a look what the booklet for
XYZ(17.6752, 18.3164, 33.5907)
contains.

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Color

**XYZ(17.7785, 18.4521,
33.6349)**

Conversions

Conversions Part 1

Format	Color
Hex	63789B
RGB	99, 120, 155
RGB Percent	39%, 47%, 61%
CMY	0.6118, 0.5294, 0.3922
CMYK	0.36, 0.23, 0.00, 0.39
HSL	218°, 22%, 50%
HSV	218°, 36%, 61%
XYZ	17.7785, 18.4521, 33.6349
YIQ	117.7110, -23.7510, 6.4330

Conversions

Conversions Part 2

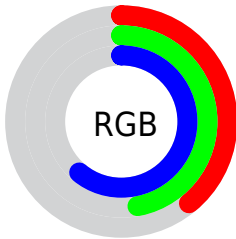
Format	Color
R _Y B	99, 114, 155
Decimal	6518939
CIE Lab	50.04, 1.29, -21.34
CIE LCh	50, 21.376, 273.471
Yxy	18.4521, 0.2545, 0.2641
Android (android.graphics.Color)	4284709019 (0xFF63789B)
YUV	117.7110, 18.3835, -16.4095
Hunter-Lab	42.9559, -1.2956, -16.3555

Details

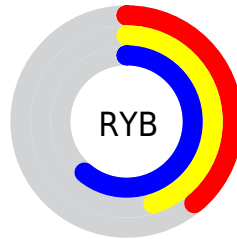
The XYZ color **17.7785, 18.4521, 33.6349** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **24.2954, 24.9203, 15.3348**, and the grayscale version is **17.0798, 17.9693, 19.5686**.

A 20% lighter version of the original color is **39.1479, 40.7375, 66.7726**, and **6.0827, 6.2872, 13.9897** is the 20% darker color. If you saturate the color by 10%, you get **15.1382, 15.4483, 33.1946**, and if you desaturate by 10%, it is **20.8630, 21.8606, 34.1306**.

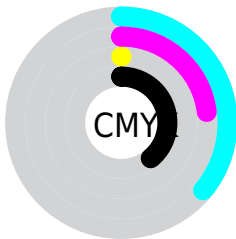
Distribution



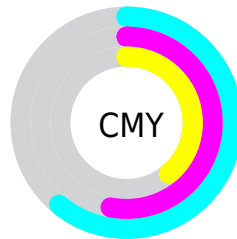
- Red (39%)
- Green (47%)
- Blue (61%)



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



- Cyan (36%)
- Magenta (23%)
- Yellow (0%)
- Black (39%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.7785, 18.4521, 33.6349 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 17.7785, 18.4521, 33.6349 by changing the saturation by 10% instead.

■ 17.7785, 18.4521,
33.6349

■ 17.7785, 18.4521,
33.6349

232.6894,
243.4071, 333.2203

■ 10.8898, 11.2751,
22.3382

■ 39.1926, 40.8062,
66.4929

■ 6.0595, 6.2522,
13.9049

■ 54.4487, 56.7520,
88.8912

■ 2.9223, 2.9990,
7.9166

■ 73.2246, 76.3896,
115.8272

■ 1.1128, 1.1312,
3.9546

■ 95.8857, 100.1033,
147.7194

■ 0.0358, 0.0044,
1.6005

122.7974,
128.2775, 184.9862

■ 0.0000, 0.0000,
0.2912

154.3250,

■ 0.0000, 0.0000,

161.2966, 228.0463

0.0000

190.8339,
199.5450, 277.3181

■ 17.7785, 18.4521,
33.6349

■ 17.7785, 18.4521,
33.6349

■ 15.1382, 15.4483,
33.1946

■ 20.8630, 21.8606,
34.1306

■ 12.9181, 12.8306,
32.8063

■ 24.4102, 25.6874,
34.6822

■ 11.0945, 10.5818,
32.4684

■ 28.4402, 29.9476,
35.2922

■ 9.6406, 8.6822,
32.1784

■ 32.9708, 34.6553,
35.9620

■ 8.5257, 7.1100,
31.9337

■ 38.0191, 39.8236,
36.6935

■ 7.7075, 5.8371,
31.7311

■ 43.6015, 45.4653,
37.4883

■ 7.4358, 5.4052,
31.6620

■ 49.7334, 51.5924,
38.3477

■ 56.4298, 58.2166,
39.2734

■ 63.7049, 65.3493,
40.2667

Harmonies

Analogous

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



15.8320, 18.4521, 32.0113



17.7785, 18.4521, 33.6349



19.8088, 18.4521, 31.0856

Triad

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



17.7785, 18.4521, 33.6349



21.0448, 18.4521, 14.4743



14.2353, 18.4521, 15.4491

Complementary

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



17.7785, 18.4521, 33.6349



24.2954, 24.9203, 15.3348

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.



15.4481, 18.4521, 12.0532



17.7785, 18.4521, 33.6349



19.3628, 18.4521, 11.5723

Square

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



17.7785, 18.4521, 33.6349



21.7850, 18.4521, 19.4138



17.3000, 18.4521, 10.7807



13.8826, 18.4521, 20.7842

Rectangle

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



17.7785, 18.4521, 33.6349



20.9086, 18.4521, 27.6072



17.3000, 18.4521, 10.7807



14.5510, 18.4521, 14.0805

Sweetspot

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



17.7791, 18.4528, 33.6353



47.1512, 49.6524, 62.6350



21.1381, 27.8040, 26.6372



10.4704, 11.0247, 14.1465



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.



17.7791, 18.4528, 33.6353



28.1250, 28.8352, 59.6197



16.2675, 14.3267, 32.9186



6.0648, 6.3870, 7.8421



6.0067, 4.4100, 25.4423



0.1229, 0.1322, 0.3914

Inverse Universe

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



21.3701, 17.2491, 19.9730



35.6103, 26.8182, 31.0309



26.2713, 30.6834, 16.3431



6.2998, 6.2591, 6.9590



11.4907, 5.8505, 3.8429



0.1885, 0.0942, 0.1455

Previews

White Background



This preview shows how the XYZ color 17.7785, 18.4521, 33.6349 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 17.7785, 18.4521, 33.6349 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

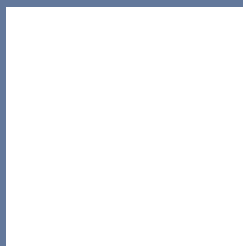
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.7785, 18.4521, 33.6349

Background



This preview shows how black text looks on a background with the XYZ color 17.7785, 18.4521, 33.6349.



This preview shows how white text looks on a background with the XYZ color 17.7785, 18.4521,

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

17.7785, 18.4521, 33.6349

Protanopia

18.4177, 18.2737, 32.6934

Deuteranopia

18.7924, 18.4379, 34.0209



Tritanopia

16.1268, 18.5162, 25.2783

Trichromacy



Original Color

17.7785, 18.4521, 33.6349

Protanomaly

18.1369, 18.2932, 33.1469

Deuteranomaly

18.4230, 18.4213, 34.0372

Tritanomaly

16.7893, 18.6057, 28.2976

Monochromacy



Original Color

17.7785, 18.4521, 33.6349

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 17.7785, 18.4521, 33.6349 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(99, 120, 155) looks like.

```
.text, #text, p{  
    color:rgb(99, 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(99, 120, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 120, 155) }
```

Border

The CSS property to change the border of an element to XYZ 17.7785, 18.4521, 33.6349 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(99, 120, 155) }
```


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

```
.border{ border-color:rgb(99, 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(99, 120, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 120, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 120, 155);  
box-shadow:4px 4px 4px 4px rgb(99, 120,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 17.7785, 18.4521, 33.6349 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 120, 155) }
```

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

```
.background{ background-color: rgb(99, 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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