

Converting Colors

XYZ(15.2704, 18.8477, 20.3844)

Have a look what the booklet for
XYZ(15.2704, 18.8477, 20.3844)
contains.

XYZ(15.3633, 18.9944, 20.3093)	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(15.3633, 18.9944,
20.3093)**

Conversions

Conversions Part 1

Format	Color
Hex	5B8077
RGB	91, 128, 119
RGB Percent	36%, 50%, 47%
CMY	0.6431, 0.4980, 0.5333
CMYK	0.29, 0.00, 0.07, 0.50
HSL	165°, 17%, 43%
HSV	165°, 29%, 50%
XYZ	15.3633, 18.9944, 20.3093
YIQ	115.9110, -19.1630, -10.6430

Conversions

Conversions Part 2

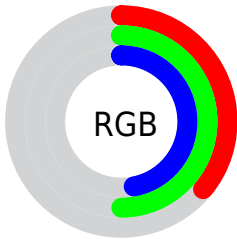
Format	Color
RYB	91, 112, 128
Decimal	5996663
CIELab	50.68, -15.05, 0.69
CIELCh	51, 15.067, 177.359
Yxy	18.9944, 0.2810, 0.3475
Android (android.graphics.Color)	4284186743 (0xFF5B8077)
YUV	115.9110, 1.5229, -21.8469
Hunter-Lab	43.5826, -13.3464, 2.8789

Details

The XYZ color **15.3633, 18.9944, 20.3093** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **14.9441, 12.9919, 13.7774**, and the grayscale version is **16.5733, 17.4364, 18.9882**.

A 20% lighter version of the original color is **35.0299, 41.7388, 44.7382**, and **4.9296, 6.5605, 6.9677** is the 20% darker color. If you saturate the color by 10%, you get **14.0237, 18.3256, 19.2866**, and if you desaturate by 10%, it is **16.9254, 19.7782, 21.3752**.

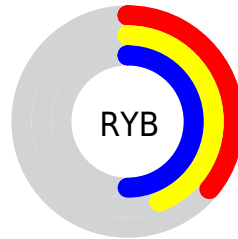
Distribution



Red (36%)

Green (50%)

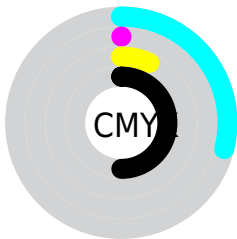
Blue (47%)



Red (36%)

Yellow (44%)

Blue (50%)

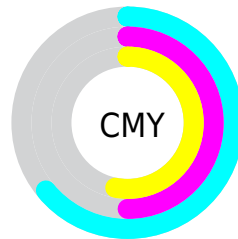


Cyan (29%)

Magenta (0%)

Yellow (7%)

Black (50%)



Cyan (64%)

Magenta (50%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.3633, 18.9944, 20.3093 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 15.3633, 18.9944, 20.3093 by changing the saturation by 10% instead.

■ 15.3633, 18.9944,
20.3093

■ 15.3633, 18.9944,
20.3093

218.8998,
246.4178, 266.2441

■ 9.1627, 11.6662,
12.4338

■ 35.0557, 41.7246,
44.8009

■ 4.9054, 6.5168,
6.9137

■ 49.2783, 57.8955,
62.2541

■ 2.2261, 3.1618,
3.3306

■ 66.9055, 77.7827,
83.7369

■ 0.7564, 1.2168,
1.2658

■ 88.3028, 101.7707,
109.6678

■ 0.0000, 0.0754,
0.0335

113.8356,
130.2438, 140.4655

■ 0.0000, 0.0000,
0.0000

143.8691,

163.5864, 176.5484

178.7687,
202.1830, 218.3350

■ 15.3633, 18.9944,
20.3093

■ 15.3633, 18.9944,
20.3093

■ 14.0237, 18.3256,
19.2866

■ 16.9254, 19.7782,
21.3752

■ 12.8940, 17.7637,
18.3050

■ 18.7185, 20.6799,
22.4839

■ 11.9627, 17.3035,
17.3640

■ 20.7529, 21.7053,
23.6364

■ 11.2168, 16.9381,
16.4629

■ 23.0374, 22.8588,
24.8335

■ 10.6414, 16.6600,
15.6004

■ 25.5806, 24.1451,
26.0759

■ 10.2193, 16.4603,
14.7756

■ 28.3907, 25.5681,
27.3642

■ 9.9042, 16.3149,
13.9859

■ 31.4754, 27.1320,
28.6991

■ 9.8708, 16.2995,
13.9015

■ 34.8422, 28.8405,
30.0812

■ 38.4983, 30.6974,
31.5111

Harmonies

Analogous

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



15.7667, 18.9944, 16.5986



15.3633, 18.9944, 20.3093



15.6475, 18.9944, 24.6482

Triad

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



15.3633, 18.9944, 20.3093



19.3901, 18.9944, 28.7767



19.6287, 18.9944, 14.5623

Complementary

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



15.3633, 18.9944, 20.3093



14.9441, 12.9919, 13.7774

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.



20.6945, 18.9944, 17.1653



15.3633, 18.9944, 20.3093



20.5516, 18.9944, 25.3848

Square

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



15.3633, 18.9944, 20.3093



17.9231, 18.9944, 29.9143



21.0410, 18.9944, 21.0586



18.1847, 18.9944, 13.5759

Rectangle

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



15.3633, 18.9944, 20.3093



16.1978, 18.9944, 27.2585



21.0410, 18.9944, 21.0586



20.0460, 18.9944, 15.2582

Sweetspot

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



15.3638, 18.9952, 20.3097



32.8546, 36.3579, 39.5249



14.8913, 18.9181, 12.7645



7.5944, 8.4632, 9.1956



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



15.3638, 18.9952, 20.3097



25.3811, 32.6085, 34.5063



14.7783, 16.9175, 22.9095



4.4031, 4.8696, 5.2940



9.7877, 16.1617, 13.7866



0.0000, 0.0000, 0.0000

Inverse Universe

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



14.9441, 12.9919, 13.7774



24.5121, 20.1513, 20.9616



15.3722, 14.5074, 11.8878



4.3674, 4.3601, 4.7390



9.0746, 4.6495, 1.7167



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 15.3633, 18.9944, 20.3093 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 15.3633, 18.9944, 20.3093 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 15.3633, 18.9944, 20.3093

Background



This preview shows how black text looks on a background with the XYZ color 15.3633, 18.9944, 20.3093.



This preview shows how white text looks on a background with the XYZ color 15.3633, 18.9944,

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

15.3633, 18.9944, 20.3093

Protanopia

18.0659, 18.9329, 18.6218

Deuteranopia

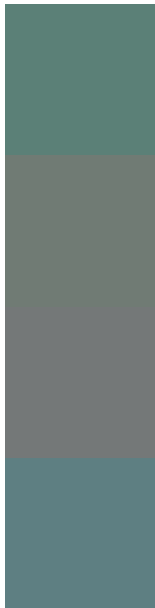
19.0567, 18.6966, 20.6936



Tritanopia

16.6241, 19.1322, 26.1092

Trichromacy



Original Color

15.3633, 18.9944, 20.3093

Protanomaly

16.9174, 18.8716, 19.2739

Deuteranomaly

17.3091, 18.5020, 20.4283

Tritanomaly

16.2347, 19.1701, 23.9636

Monochromacy



Original Color

15.3633, 18.9944, 20.3093

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

15.9908, 17.8431, 19.4309

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.3633, 18.9944, 20.3093 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(91, 128, 119)` looks like.

```
.text, #text, p{  
    color:rgb(91, 128, 119)  
}
```

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(91, 128, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 128, 119) }
```

Border

The CSS property to change the border of an element to XYZ 15.3633, 18.9944, 20.3093 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(91, 128, 119) }
```


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

```
.border{ border-color:rgb(91, 128, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 128, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 128, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 128, 119);  
box-shadow:4px 4px 4px 4px rgb(91, 128,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 15.3633, 18.9944, 20.3093 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 128, 119) }
```

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

```
.background{ background-color: rgb(91, 128,  
119) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor