

Converting Colors

XYZ(15.7709, 20.4007, 19.4521)

Have a look what the booklet for
XYZ(15.7709, 20.4007, 19.4521)
contains.

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Color

**XYZ(15.7394, 20.4118,
19.3300)**

Conversions

Conversions Part 1

Format	Color
Hex	598673
RGB	89, 134, 115
RGB Percent	35%, 53%, 45%
CMY	0.6510, 0.4745, 0.5490
CMYK	0.34, 0.00, 0.14, 0.47
HSL	155°, 20%, 44%
HSV	155°, 34%, 53%
XYZ	15.7394, 20.4118, 19.3300
YIQ	118.3790, -20.7210, -15.4490

Conversions

Conversions Part 2

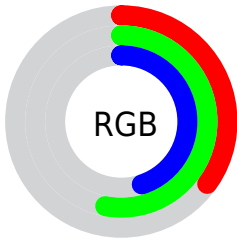
Format	Color
R_{YB}	89, 118, 134
Decimal	5867123
CIE _{Lab}	52.30, -19.82, 5.35
CIE _{LCh}	52, 20.535, 164.891
Yxy	20.4118, 0.2837, 0.3679
Android (android.graphics.Color)	4284057203 (0xFF598673)
YUV	118.3790, -1.6658, -25.7654
Hunter-Lab	45.1794, -16.8790, 6.2584

Details

The XYZ color **15.7394, 20.4118, 19.3300** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **16.1113, 13.2963, 15.9053**, and the grayscale version is **17.3489, 18.2524, 19.8769**.

A 20% lighter version of the original color is **35.5606, 43.9061, 43.1597**, and **5.0585, 7.1970, 6.4327** is the 20% darker color. If you saturate the color by 10%, you get **14.2532, 19.6826, 17.6129**, and if you desaturate by 10%, it is **17.4809, 21.2713, 21.1642**.

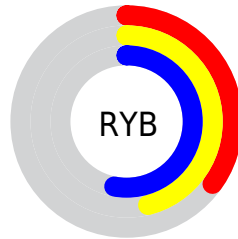
Distribution



Red (35%)

Green (53%)

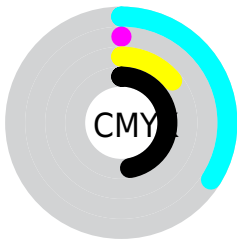
Blue (45%)



Red (35%)

Yellow (46%)

Blue (53%)

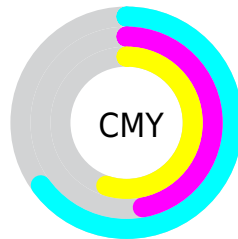


Cyan (34%)

Magenta (0%)

Yellow (14%)

Black (47%)



Cyan (65%)

Magenta (47%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.7394, 20.4118, 19.3300 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 15.7394, 20.4118, 19.3300 by changing the saturation by 10% instead.

■ 15.7394, 20.4118,
19.3300

■ 15.7394, 20.4118,
19.3300

■ 221.0998,
254.1358, 260.7477

■ 9.4296, 12.6947,
11.7297

■ 35.7063, 44.1065,
43.1351

■ 5.0818, 7.2187,
6.4396

■ 50.0941, 60.8530,
60.1770

■ 2.3306, 3.5992,
3.0411

■ 67.9054, 81.3780,
81.2032

■ 0.8102, 1.4520,
1.1157

■ 89.5053, 106.0660,
106.6323

■ 0.0000, 0.2546,
0.0000

■ 115.2594,
135.3014, 136.8827

■ 0.0000, 0.0000,
0.0000

145.5329,

169.4686, 172.3731

180.6913,
208.9519, 213.5219

■ 15.7394, 20.4118,
19.3300

■ 15.7394, 20.4118,
19.3300

■ 14.2532, 19.6826,
17.6129

■ 17.4809, 21.2713,
21.1642

■ 13.0074, 19.0746,
16.0092

■ 19.4880, 22.2649,
23.1167

■ 11.9883, 18.5813,
14.5166

■ 21.7726, 23.3991,
25.1900

■ 11.1802, 18.1944,
13.1325

■ 24.3453, 24.6795,
27.3864

■ 10.5648, 17.9049,
11.8541

■ 27.2163, 26.1111,
29.7081

■ 10.1203, 17.7013,
10.6782

■ 30.3950, 27.6989,
32.1572

■ 9.8799, 17.5927,
9.9744

■ 33.8906, 29.4474,
34.7357

■ 37.7118, 31.3613,
37.4456

■ 41.8670, 33.4448,
40.2888

Harmonies

Analogous

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



16.6743, 20.4118, 14.9636



15.7394, 20.4118, 19.3300



15.7359, 20.4118, 25.3487

Triad

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



15.7394, 20.4118, 19.3300



20.4629, 20.4118, 35.4614



22.4214, 20.4118, 14.9877

Complementary

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



15.7394, 20.4118, 19.3300



16.1113, 13.2963, 15.9053

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.



23.5946, 20.4118, 19.3690



15.7394, 20.4118, 19.3300



22.4094, 20.4118, 31.5216

Square

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



15.7394, 20.4118, 19.3300



18.3617, 20.4118, 35.4457



23.5901, 20.4118, 25.3955



20.4784, 20.4118, 12.7838

Rectangle

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



15.7394, 20.4118, 19.3300



16.2577, 20.4118, 29.5612



23.5901, 20.4118, 25.3955



22.9250, 20.4118, 16.2156

Sweetspot

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



15.7400, 20.4126, 19.3305



35.6324, 39.8707, 41.9319



16.5742, 20.9919, 12.6297



7.9227, 8.9304, 9.3502



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



15.7400, 20.4126, 19.3305



25.7767, 35.0033, 31.8288



16.5398, 20.0785, 25.5590



4.7207, 5.2465, 5.5402



9.2640, 16.4885, 9.3757



0.0357, 0.0586, 0.0517

Inverse Universe

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



16.1113, 13.2963, 15.9053



26.5328, 20.5411, 24.8752



15.4624, 13.4443, 11.2315



4.7481, 4.7189, 5.2859



9.9011, 5.0248, 4.0514



0.0378, 0.0188, 0.0326

Previews

White Background



This preview shows how the XYZ color 15.7394, 20.4118, 19.3300 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 15.7394, 20.4118, 19.3300 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 15.7394, 20.4118, 19.3300

Background



This preview shows how black text looks on a background with the XYZ color 15.7394, 20.4118, 19.3300.



This preview shows how white text looks on a background with the XYZ color 15.7394, 20.4118,

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

15.7394, 20.4118, 19.3300

Protanopia

19.2280, 20.2869, 17.6542

Deuteranopia

20.6339, 20.2299, 19.9568



Tritanopia

17.5097, 20.3212, 28.1988

Trichromacy



Original Color

15.7394, 20.4118, 19.3300

Protanomaly

17.7140, 20.2530, 18.3048

Deuteranomaly

18.4297, 20.0165, 19.7219

Tritanomaly

16.7954, 20.2257, 24.8485

Monochromacy



Original Color

15.7394, 20.4118, 19.3300

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

16.4819, 18.8255, 19.5946

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.7394, 20.4118, 19.3300 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(89, 134, 115)` looks like.

```
.text, #text, p{  
    color:rgb(89, 134, 115)  
}
```

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(89, 134, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 134, 115) }
```

Border

The CSS property to change the border of an element to XYZ 15.7394, 20.4118, 19.3300 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(89, 134, 115) }
```


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

```
.border{ border-color:rgb(89, 134, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 134, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 134, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 134, 115);  
box-shadow:4px 4px 4px 4px rgb(89, 134,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 15.7394, 20.4118, 19.3300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 134, 115) }
```

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

```
.background{ background-color: rgb(89, 134,  
115) }
```

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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