

Converting Colors

XYZ(15.6140, 20.1443, 19.6947)

Have a look what the booklet for
XYZ(15.6140, 20.1443, 19.6947)
contains.

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Color

**XYZ(15.5644, 20.1107,
19.5844)**

Conversions

Conversions Part 1

Format	Color
Hex	588574
RGB	88, 133, 116
RGB Percent	35%, 52%, 45%
CMY	0.6549, 0.4784, 0.5451
CMYK	0.34, 0.00, 0.13, 0.48
HSL	157°, 20%, 43%
HSV	157°, 34%, 52%
XYZ	15.5644, 20.1107, 19.5844
YIQ	117.6070, -21.3630, -14.8270

Conversions

Conversions Part 2

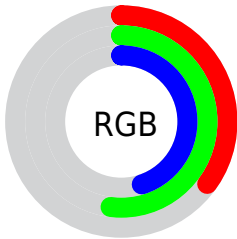
Format	Color
RYB	88, 116, 133
Decimal	5801332
CIELab	51.96, -19.39, 4.28
CIElCh	52, 19.858, 167.554
Yxy	20.1107, 0.2817, 0.3639
Android (android.graphics.Color)	4283991412 (0xFF588574)
YUV	117.6070, -0.7923, -25.9653
Hunter-Lab	44.8450, -16.5264, 5.4987

Details

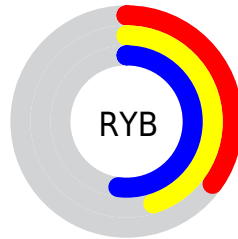
The XYZ color **15.5644, 20.1107, 19.5844** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **15.7131, 12.9864, 15.0439**, and the grayscale version is **17.1047, 17.9955, 19.5971**.

A 20% lighter version of the original color is **35.2742, 43.4339, 43.5702**, and **4.9733, 7.0352, 6.5646** is the 20% darker color. If you saturate the color by 10%, you get **14.1341, 19.4068, 18.0330**, and if you desaturate by 10%, it is **17.2413, 20.9410, 21.2308**.

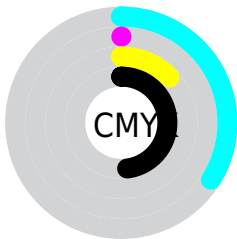
Distribution



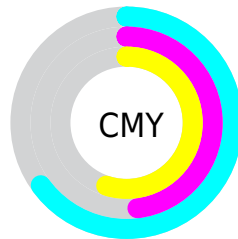
- Red (35%)
- Green (52%)
- Blue (45%)



- Red (35%)
- Yellow (45%)
- Blue (52%)



- Cyan (34%)
- Magenta (0%)
- Yellow (13%)
- Black (48%)



- Cyan (65%)
- Magenta (48%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.5644, 20.1107, 19.5844 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 15.5644, 20.1107, 19.5844 by changing the saturation by 10% instead.

■ 15.5644, 20.1107,
19.5844

■ 15.5644, 20.1107,
19.5844

220.0787,
252.5138, 262.1857

■ 9.3053, 12.4755,
11.9122

■ 35.4039, 43.6027,
43.5691

■ 4.9996, 7.0684,
6.5621

■ 49.7150, 60.2283,
60.7186

■ 2.2818, 3.5049,
3.1155

■ 67.4409, 80.6196,
81.8644

■ 0.7853, 1.4007,
1.1539

■ 88.9469, 105.1608,
107.4250

■ 0.0000, 0.2172,
0.0000

■ 114.5983,
134.2365, 137.8189

■ 0.0000, 0.0000,
0.0000

144.7605,

168.2309, 173.4646

179.7988,
207.5286, 214.7807

■ 15.5644, 20.1107,
19.5844

■ 15.5644, 20.1107,
19.5844

■ 14.1341, 19.4068,
18.0330

■ 17.2413, 20.9410,
21.2308

■ 12.9361, 18.8202,
16.5732

■ 19.1750, 21.9013,
22.9726

■ 11.9569, 18.3447,
15.2037

■ 21.3771, 22.9981,
24.8120

■ 11.1811, 17.9723,
13.9223

■ 23.8579, 24.2367,
26.7507

■ 10.5909, 17.6939,
12.7267

■ 26.6272, 25.6220,
28.7904

■ 10.1643, 17.4982,
11.6146

■ 29.6944, 27.1590,
30.9326

■ 9.9397, 17.3965,
10.9679

■ 33.0683, 28.8521,
33.1789

■ 36.7574, 30.7056,
35.5308

■ 40.7700, 32.7239,
37.9898

Harmonies

Analogous

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



16.3872, 20.1107, 15.2102



15.5644, 20.1107, 19.5844



15.6427, 20.1107, 25.4295

Triad

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



15.5644, 20.1107, 19.5844



20.3112, 20.1107, 34.3191



21.8600, 20.1107, 14.6665

Complementary

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



15.5644, 20.1107, 19.5844



15.7131, 12.9864, 15.0439

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.



23.0656, 20.1107, 18.7080



15.5644, 20.1107, 19.5844



22.1290, 20.1107, 30.3028

Square

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



15.5644, 20.1107, 19.5844



18.2890, 20.1107, 34.6668



23.1674, 20.1107, 24.3851



19.9647, 20.1107, 12.7257

Rectangle

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



15.5644, 20.1107, 19.5844



16.1955, 20.1107, 29.4079



23.1674, 20.1107, 24.3851



22.3650, 20.1107, 15.7883

Sweetspot

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



15.5650, 20.1115, 19.5849



35.7034, 39.8991, 42.3056



16.0047, 20.4989, 12.3460



7.9405, 8.9375, 9.4436



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.



15.5650, 20.1115, 19.5849



25.7651, 34.9757, 32.8081



15.9454, 19.1421, 25.0456



4.7290, 5.2498, 5.5841



9.4714, 16.5714, 10.4676



0.0364, 0.0588, 0.0550

Inverse Universe

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



15.7131, 12.9864, 15.0439



26.0771, 20.0823, 23.3285



15.3712, 13.5643, 11.0408



4.7400, 4.7157, 5.2430



9.7708, 4.9727, 3.3653



0.0372, 0.0186, 0.0293

Previews

White Background



This preview shows how the XYZ color 15.5644, 20.1107, 19.5844 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 15.5644, 20.1107, 19.5844 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

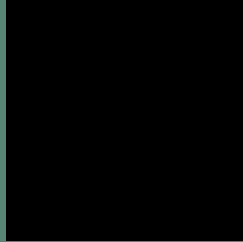
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 15.5644, 20.1107, 19.5844

Background



This preview shows how black text looks on a background with the XYZ color 15.5644, 20.1107, 19.5844.

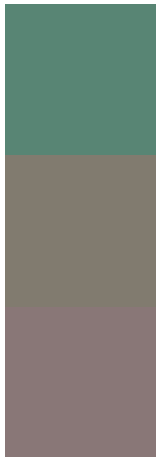


This preview shows how white text looks on a background with the XYZ color 15.5644, 20.1107,

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

15.5644, 20.1107, 19.5844

Protanopia

19.0055, 19.9807, 17.8939

Deuteranopia

20.2431, 19.8439, 20.2161



Tritanopia

17.2305, 20.1859, 27.7991

Trichromacy



Original Color

15.5644, 20.1107, 19.5844

Protanomaly

17.5094, 19.9484, 18.5504

Deuteranomaly

18.0854, 19.6452, 19.9782

Tritanomaly

16.5274, 20.0954, 24.4804

Monochromacy



Original Color

15.5644, 20.1107, 19.5844

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

16.3572, 18.5761, 19.5530

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.5644, 20.1107, 19.5844 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(88, 133, 116)` looks like.

```
.text, #text, p{  
    color:rgb(88, 133, 116)  
}
```

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(88, 133, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 133, 116) }
```

Border

The CSS property to change the border of an element to XYZ 15.5644, 20.1107, 19.5844 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(88, 133, 116) }
```


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

```
.border{ border-color:rgb(88, 133, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 133, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 133, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 133, 116);  
box-shadow:4px 4px 4px 4px rgb(88, 133,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 15.5644, 20.1107, 19.5844 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 133, 116) }
```

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

```
.background{ background-color: rgb(88, 133,  
116) }
```

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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