

Converting Colors

XYZ(15.1133, 20.6782, 16.2483)

Have a look what the booklet for
XYZ(15.1133, 20.6782, 16.2483)
contains.

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Color

**XYZ(15.1907, 20.8221,
16.3151)**

Conversions

Conversions Part 1

Format	Color
Hex	558968
RGB	85, 137, 104
RGB Percent	33%, 54%, 41%
CMY	0.6667, 0.4627, 0.5922
CMYK	0.38, 0.00, 0.24, 0.46
HSL	142°, 23%, 44%
HSV	142°, 38%, 54%
XYZ	15.1907, 20.8221, 16.3151
YIQ	117.6900, -20.3990, -21.2870

Conversions

Conversions Part 2

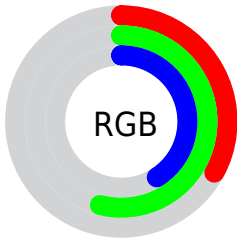
Format	Color
RYB	85, 123, 137
Decimal	5605736
CIELab	52.75, -25.01, 12.31
CIELCh	53, 27.879, 153.789
Yxy	20.8221, 0.2903, 0.3979
Android (android.graphics.Color)	4283795816 (0xFF558968)
YUV	117.6900, -6.7492, -28.6691
Hunter-Lab	45.6312, -20.4318, 10.7432

Details

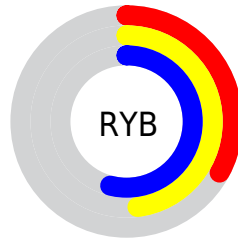
The XYZ color **15.1907, 20.8221, 16.3151** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **16.8358, 13.1239, 18.7864**, and the grayscale version is **17.1484, 18.0415, 19.6472**.

A 20% lighter version of the original color is **34.8637, 44.9465, 37.8484**, and **4.8399, 7.4691, 5.0575** is the 20% darker color. If you saturate the color by 10%, you get **13.6463, 20.0749, 14.0553**, and if you desaturate by 10%, it is **17.0227, 21.7134, 18.8270**.

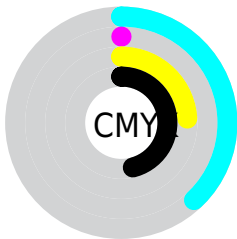
Distribution



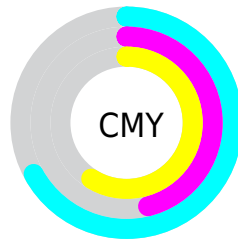
- Red (33%)
- Green (54%)
- Blue (41%)



- Red (33%)
- Yellow (48%)
- Blue (54%)



- Cyan (38%)
- Magenta (0%)
- Yellow (24%)
- Black (46%)



- Cyan (67%)
- Magenta (46%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.1907, 20.8221, 16.3151 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 15.1907, 20.8221, 16.3151 by changing the saturation by 10% instead.

■ 15.1907, 20.8221,
16.3151

■ 15.1907, 20.8221,
16.3151

217.8832,
256.3315, 243.1028

■ 9.0405, 12.9940,
9.5906

■ 34.7563, 44.7913,
37.9187

■ 4.8249, 7.4244,
5.0264

■ 48.9024, 61.7012,
53.6350

■ 2.1786, 3.7289,
2.2037

■ 66.4446, 82.4071,
73.1856

■ 0.7314, 1.5231,
0.6765

■ 87.7481, 107.2935,
96.9891

■ 0.0000, 0.3049,
0.0000

■ 113.1784,
136.7448, 125.4641

■ 0.0000, 0.0000,
0.0000

143.1007,

171.1452, 159.0289

177.8805,
210.8794, 198.1024

■ 15.1907, 20.8221,
16.3151

■ 15.1907, 20.8221,
16.3151

■ 13.6463, 20.0749,
14.0553

■ 17.0227, 21.7134,
18.8270

■ 12.3723, 19.4615,
12.0383

■ 19.1546, 22.7534,
21.5972

■ 11.3527, 18.9742,
10.2562

■ 21.6003, 23.9495,
24.6333

■ 10.5684, 18.6036,
8.7003

■ 24.3722, 25.3081,
27.9422

■ 9.9980, 18.3386,
7.3612

■ 27.4818, 26.8350,
31.5305

■ 9.5972, 18.1566,
6.2279

■ 30.9405, 28.5358,
35.4048

■ 9.5230, 18.1229,
6.0201

■ 34.7586, 30.4158,
39.5712

■ 38.9465, 32.4803,
44.0356

■ 43.5137, 34.7340,
48.8041

Harmonies

Analogous

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



16.8442, 20.8221, 11.8066



15.1907, 20.8221, 16.3151



14.7243, 20.8221, 23.7454

Triad

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



15.1907, 20.8221, 16.3151



20.1622, 20.8221, 42.6717



24.8052, 20.8221, 14.8884

Complementary

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



15.1907, 20.8221, 16.3151



16.8358, 13.1239, 18.7864

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.



25.9035, 20.8221, 21.6309



15.1907, 20.8221, 16.3151



23.0624, 20.8221, 38.7339

Square

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



15.1907, 20.8221, 16.3151



17.4249, 20.8221, 40.2645



25.2368, 20.8221, 30.4961



22.3616, 20.8221, 11.1355

Rectangle

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



15.1907, 20.8221, 16.3151



15.1072, 20.8221, 29.7558



25.2368, 20.8221, 30.4961



25.3542, 20.8221, 16.8120

Sweetspot

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



15.1913, 20.8230, 16.3156



37.1779, 42.1519, 42.2718



18.1665, 22.4560, 11.9716



8.2250, 9.3988, 9.3407



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



15.1913, 20.8230, 16.3156



24.6762, 36.0646, 25.5315



16.6684, 21.4138, 24.0943



5.0425, 5.6365, 5.7447



8.8757, 16.8828, 5.6359



0.0656, 0.1148, 0.0722

Inverse Universe

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



16.8358, 13.1239, 18.7864



28.0785, 20.1153, 30.6276



15.5326, 12.6027, 11.9239



5.1576, 5.0985, 5.9184



11.2160, 5.5965, 8.9079



0.0816, 0.0400, 0.0964

Previews

White Background



This preview shows how the XYZ color 15.1907, 20.8221, 16.3151 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 15.1907, 20.8221, 16.3151 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 15.1907, 20.8221, 16.3151

Background



This preview shows how black text looks on a background with the XYZ color 15.1907, 20.8221, 16.3151.



This preview shows how white text looks on a background with the XYZ color 15.1907, 20.8221,

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

15.1907, 20.8221, 16.3151

Protanopia

19.2111, 20.5356, 14.5065

Deuteranopia

20.9928, 20.6656, 16.7923



Tritanopia

17.6480, 20.7827, 28.6725

Trichromacy



Original Color

15.1907, 20.8221, 16.3151

Protanomaly

17.3530, 20.3336, 15.0668

Deuteranomaly

18.3593, 20.4303, 16.6115

Tritanomaly

16.6378, 20.7824, 23.5566

Monochromacy



Original Color

15.1907, 20.8221, 16.3151

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

16.2581, 18.9237, 18.4185

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.1907, 20.8221, 16.3151 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(85, 137, 104)` looks like.

```
.text, #text, p{  
    color:rgb(85, 137, 104)  
}
```

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(85, 137, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 137, 104) }
```

Border

The CSS property to change the border of an element to XYZ 15.1907, 20.8221, 16.3151 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(85, 137, 104) }
```


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

```
.border{ border-color:rgb(85, 137, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 137, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 137, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 137, 104);  
box-shadow:4px 4px 4px 4px rgb(85, 137,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 15.1907, 20.8221, 16.3151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 137, 104) }
```

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

```
.background{ background-color: rgb(85, 137,  
104) }
```

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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