

Converting Colors

XYZ(15.4813, 19.0877, 14.4670)

Have a look what the booklet for
XYZ(15.4813, 19.0877, 14.4670)
contains.

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Color

**XYZ(15.5173, 19.2037,
14.4441)**

Conversions

Conversions Part 1

Format	Color
Hex	678062
RGB	103, 128, 98
RGB Percent	40%, 50%, 38%
CMY	0.5961, 0.4980, 0.6157
CMYK	0.20, 0.00, 0.23, 0.50
HSL	110°, 13%, 44%
HSV	110°, 23%, 50%
XYZ	15.5173, 19.2037, 14.4441
YIQ	117.1050, -5.2700, -14.6300

Conversions

Conversions Part 2

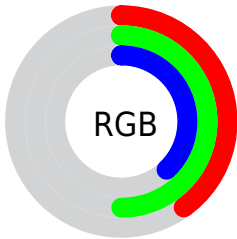
Format	Color
RYB	98, 128, 123
Decimal	6783074
CIELab	50.92, -15.20, 13.39
CIELCh	51, 20.251, 138.624
Yxy	19.2037, 0.3156, 0.3906
Android (android.graphics.Color)	4284973154 (0xFF678062)
YUV	117.1050, -9.4188, -12.3701
Hunter-Lab	43.8220, -13.4820, 11.1329

Details

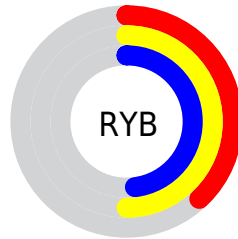
The XYZ color **15.5173, 19.2037, 14.4441** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **16.4330, 14.5053, 22.3567**, and the grayscale version is **16.9709, 17.8547, 19.4438**.

A 20% lighter version of the original color is **35.2751, 42.0877, 34.6983**, and **4.9691, 6.6432, 4.1523** is the 20% darker color. If you saturate the color by 10%, you get **13.8143, 18.3907, 11.4579**, and if you desaturate by 10%, it is **17.4742, 20.1375, 17.9476**.

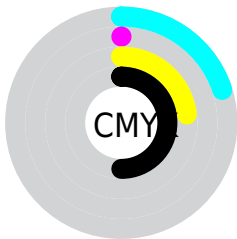
Distribution



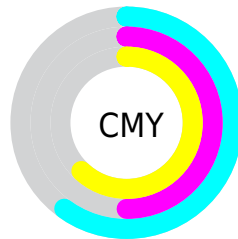
- Red (40%)
- Green (50%)
- Blue (38%)



- Red (38%)
- Yellow (50%)
- Blue (48%)



- Cyan (20%)
- Magenta (0%)
- Yellow (23%)
- Black (50%)



- Cyan (60%)
- Magenta (50%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.5173, 19.2037, 14.4441 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 15.5173, 19.2037, 14.4441 by changing the saturation by 10% instead.

■ 15.5173, 19.2037,
14.4441

■ 15.5173, 19.2037,
14.4441

219.8031,
247.5710, 231.5001

■ 9.2719, 11.8176,
8.2879

■ 35.3224, 42.0780,
34.6034

■ 4.9775, 6.6196,
4.1893

■ 49.6128, 58.3350,
49.4435

■ 2.2687, 3.2253,
1.7298

■ 67.3157, 78.3177,
68.0154

■ 0.7786, 1.2505,
0.3810

■ 88.7963, 102.4105,
90.7376

■ 0.0000, 0.1024,
0.0000

114.4199,
130.9979, 118.0287

■ 0.0000, 0.0000,
0.0000

144.5521,

164.4641, 150.3070

179.5580,
203.1937, 187.9913

■ 15.5173, 19.2037,
14.4441

■ 15.5173, 19.2037,
14.4441

■ 13.8143, 18.3907,
11.4579

■ 17.4742, 20.1375,
17.9476

■ 12.3531, 17.6911,
8.9633

■ 19.6932, 21.1943,
21.9899

■ 11.1231, 17.1007,
6.9343

■ 22.1841, 22.3791,
26.5930

■ 10.1122, 16.6137,
5.3420

■ 24.9558, 23.6961,
31.7770

■ 9.3072, 16.2242,
4.1544

■ 28.0168, 25.1493,
37.5612

■ 8.6934, 15.9252,
3.3349

■ 31.3751, 26.7423,
43.9641

■ 8.2535, 15.7090,
2.8383

■ 35.0384, 28.4788,
51.0031

■ 8.0359, 15.6021,
2.5880

■ 39.0143, 30.3623,
58.6952

■ 43.3100, 32.3962,
67.0567

Harmonies

Analogous

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



17.0522, 19.2037, 12.1159



15.5173, 19.2037, 14.4441



14.7374, 19.2037, 18.8123

Triad

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



15.5173, 19.2037, 14.4441



17.5048, 19.2037, 33.6658



22.1430, 19.2037, 17.5872

Complementary

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



15.5173, 19.2037, 14.4441



16.4330, 14.5053, 22.3567

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.



22.2864, 19.2037, 23.1572



15.5173, 19.2037, 14.4441



19.5079, 19.2037, 33.1734

Square

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



15.5173, 19.2037, 14.4441



15.8277, 19.2037, 30.3063



21.2917, 19.2037, 29.0634



20.9132, 19.2037, 13.6887

Rectangle

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



15.5173, 19.2037, 14.4441



14.7096, 19.2037, 22.6042



21.2917, 19.2037, 29.0634



22.3230, 19.2037, 19.3019

Sweetspot

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



15.5178, 19.2045, 14.4445



33.1618, 36.5957, 35.9522



18.1904, 19.6378, 14.3873



7.7227, 8.5483, 8.3418



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.



15.5178, 19.2045, 14.4445



25.7045, 33.0395, 22.5825



15.4635, 19.1185, 17.0630



4.3377, 4.8505, 4.6278



7.9687, 15.4704, 2.5661



0.0000, 0.0000, 0.0000

Inverse Universe

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



16.4330, 14.5053, 22.3567



27.6010, 23.2894, 38.9968



16.5404, 14.6330, 19.0929



4.4301, 4.3773, 5.4247



9.8373, 4.6250, 20.6242



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 15.5173, 19.2037, 14.4441 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 15.5173, 19.2037, 14.4441 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 15.5173, 19.2037, 14.4441

Background



This preview shows how black text looks on a background with the XYZ color 15.5173, 19.2037, 14.4441.



This preview shows how white text looks on a background with the XYZ color 15.5173, 19.2037,

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

15.5173, 19.2037, 14.4441

Protanopia

17.9562, 19.1681, 13.5799

Deuteranopia

19.3609, 18.9863, 14.7009



Tritanopia

17.6233, 19.1106, 24.9502

Trichromacy



Original Color

15.5173, 19.2037, 14.4441

Protanomaly

17.0647, 19.2529, 13.8831

Deuteranomaly

17.7210, 18.8458, 14.5080

Tritanomaly

16.7872, 19.1491, 20.5807

Monochromacy



Original Color

15.5173, 19.2037, 14.4441

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

16.3339, 18.2453, 17.4127

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.5173, 19.2037, 14.4441 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(103, 128, 98)` looks like.

```
.text, #text, p{  
    color:rgb(103, 128, 98)  
}
```

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(103, 128, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 128, 98) }
```

Border

The CSS property to change the border of an element to XYZ 15.5173, 19.2037, 14.4441 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(103, 128, 98) }
```


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

```
.border{ border-color:rgb(103, 128, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 128, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 128, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 128, 98);  
box-shadow:4px 4px 4px 4px rgb(103, 128,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 15.5173, 19.2037, 14.4441 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 128, 98) }
```

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

```
.background{ background-color: rgb(103,  
128, 98) }
```

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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