

Converting Colors

XYZ(15.5625, 19.7611, 12.4049)

Have a look what the booklet for
XYZ(15.5625, 19.7611, 12.4049)
contains.

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Color

**XYZ(15.4947, 19.6296,
12.4234)**

Conversions

Conversions Part 1

Format	Color
Hex	688259
RGB	104, 130, 89
RGB Percent	41%, 51%, 35%
CMY	0.5922, 0.4902, 0.6510
CMYK	0.20, 0.00, 0.32, 0.49
HSL	98°, 19%, 43%
HSV	98°, 32%, 51%
XYZ	15.4947, 19.6296, 12.4234
YIQ	117.5520, -2.3350, -18.2630

Conversions

Conversions Part 2

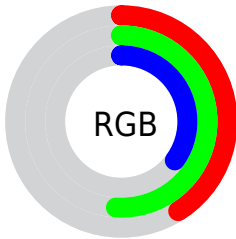
Format	Color
R_{YB}	89, 130, 115
Decimal	6849113
CIE _{Lab}	51.42, -17.45, 19.23
CIE _{LCh}	51, 25.964, 132.215
Yxy	19.6296, 0.3259, 0.4128
Android (android.graphics.Color)	4285039193 (0xFF688259)
YUV	117.5520, -14.0761, -11.8851
Hunter-Lab	44.3053, -15.1083, 14.3885

Details

The XYZ color **15.4947, 19.6296, 12.4234** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **14.6727, 12.4019, 22.7407**, and the grayscale version is **17.1234, 18.0152, 19.6185**.

A 20% lighter version of the original color is **35.3040, 42.7990, 30.8264**, and **5.0094, 6.9000, 3.3533** is the 20% darker color. If you saturate the color by 10%, you get **14.0858, 18.9615, 9.7552**, and if you desaturate by 10%, it is **17.0947, 20.3863, 15.6047**.

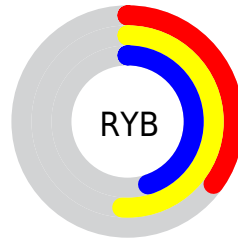
Distribution



Red (41%)

Green (51%)

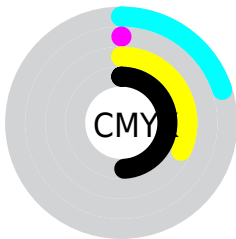
Blue (35%)



Red (35%)

Yellow (51%)

Blue (45%)

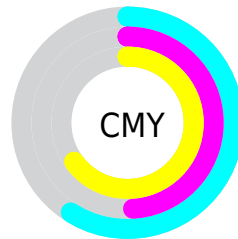


Cyan (20%)

Magenta (0%)

Yellow (32%)

Black (49%)



Cyan (59%)

Magenta (49%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.4947, 19.6296, 12.4234 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 15.4947, 19.6296, 12.4234 by changing the saturation by 10% instead.

■ 15.4947, 19.6296,
12.4234

■ 15.4947, 19.6296,
12.4234

219.6708,
249.9028, 218.2650

■ 9.2559, 12.1261,
6.9067

■ 35.2833, 42.7953,
30.9398

■ 4.9669, 6.8296,
3.3263

■ 49.5638, 59.2263,
44.7765

■ 2.2624, 3.3558,
1.2635

■ 67.2556, 79.4019,
62.2237

■ 0.7753, 1.3202,
0.0316

■ 88.7239, 103.7065,
83.6999

■ 0.0000, 0.1567,
0.0000

■ 114.3343,
132.5245, 109.6235

■ 0.0000, 0.0000,
0.0000

144.4520,

166.2403, 140.4132

179.4424,
205.2382, 176.4875

■ 15.4947, 19.6296,
12.4234

■ 15.4947, 19.6296,
12.4234

■ 14.0858, 18.9615,
9.7552

■ 17.0947, 20.3863,
15.6047

■ 12.8586, 18.3759,
7.5719

■ 18.8915, 21.2321,
19.3227

■ 11.8054, 17.8701,
5.8447

■ 20.8924, 22.1710,
23.6011

■ 10.9171, 17.4401,
4.5411

■ 23.1040, 23.2058,
28.4617

■ 10.1836, 17.0815,
3.6245

■ 25.5325, 24.3393,
33.9253

■ 9.5935, 16.7893,
3.0516

■ 28.1838, 25.5742,
40.0116

■ 9.1812, 16.5837,
2.7171

■ 31.0636, 26.9129,
46.7393

■ 34.1775, 28.3578,
54.1265

■ 37.5306, 29.9114,
62.1905

Harmonies

Analogous

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



17.6191, 19.6296, 10.2083



15.4947, 19.6296, 12.4234



14.2888, 19.6296, 17.2900

Triad

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



15.4947, 19.6296, 12.4234



17.1710, 19.6296, 38.1185



23.9846, 19.6296, 18.4839

Complementary

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



15.4947, 19.6296, 12.4234



14.6727, 12.4019, 22.7407

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.



23.8362, 19.6296, 26.0536



15.4947, 19.6296, 12.4234



19.7356, 19.6296, 38.6508

Square

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



15.4947, 19.6296, 12.4234



15.1930, 19.6296, 32.5138



22.2235, 19.6296, 33.8333



22.6119, 19.6296, 13.1217

Rectangle

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



15.4947, 19.6296, 12.4234



14.0928, 19.6296, 21.9316



22.2235, 19.6296, 33.8333



24.1143, 19.6296, 20.8246

Sweetspot

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



15.4952, 19.6304, 12.4238



34.0579, 37.7608, 35.6968



17.1368, 17.7218, 11.9689



7.6132, 8.5020, 7.8773



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.



15.4952, 19.6304, 12.4238



25.4376, 33.6918, 18.3515



14.1444, 18.9066, 13.6040



4.4131, 4.8894, 4.6313



8.8099, 15.9041, 2.6055



0.0000, 0.0000, 0.0000

Inverse Universe

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



14.6727, 12.4019, 22.7407



23.7414, 18.8199, 39.5738



16.4510, 13.3599, 20.9587



4.3503, 4.3362, 5.4210



7.2447, 3.2885, 20.5029



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 15.4947, 19.6296, 12.4234 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 15.4947, 19.6296, 12.4234 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 15.4947, 19.6296, 12.4234

Background



This preview shows how black text looks on a background with the XYZ color 15.4947, 19.6296, 12.4234.



This preview shows how white text looks on a background with the XYZ color 15.4947, 19.6296,

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

15.4947, 19.6296, 12.4234

Protanopia

18.1550, 19.4965, 11.6104

Deuteranopia

19.7947, 19.4246, 12.8312



Tritanopia

18.0663, 19.5160, 25.3690

Trichromacy



Original Color

15.4947, 19.6296, 12.4234

Protanomaly

17.0800, 19.4929, 11.8791

Deuteranomaly

17.9011, 19.3415, 12.6873

Tritanomaly

16.9152, 19.4179, 19.9960

Monochromacy



Original Color

15.4947, 19.6296, 12.4234

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

16.4234, 18.4913, 16.6135

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.4947, 19.6296, 12.4234 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(104, 130, 89)` looks like.

```
.text, #text, p{  
    color:rgb(104, 130, 89)  
}
```

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(104, 130, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 130, 89) }
```

Border

The CSS property to change the border of an element to XYZ 15.4947, 19.6296, 12.4234 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(104, 130, 89) }
```


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

```
.border{ border-color:rgb(104, 130, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 130, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 130, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 130, 89);  
box-shadow:4px 4px 4px 4px rgb(104, 130,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 15.4947, 19.6296, 12.4234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 130, 89) }
```

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

```
.background{ background-color: rgb(104,  
130, 89) }
```

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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