

Converting Colors

XYZ(19.1616, 24.8031, 12.1959)

Have a look what the booklet for
XYZ(19.1616, 24.8031, 12.1959)
contains.

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Color

**XYZ(19.0618, 24.6728,
12.1452)**

Conversions

Conversions Part 1

Format	Color
Hex	759154
RGB	117, 145, 84
RGB Percent	46%, 57%, 33%
CMY	0.5412, 0.4314, 0.6706
CMYK	0.19, 0.00, 0.42, 0.43
HSL	88°, 27%, 45%
HSV	88°, 42%, 57%
XYZ	19.0618, 24.6728, 12.1452
YIQ	129.6740, 2.8930, -24.9070

Conversions

Conversions Part 2

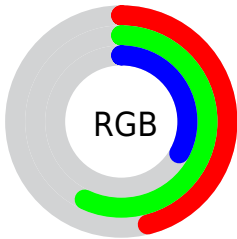
Format	Color
RYB	84, 145, 112
Decimal	7704916
CIELab	56.76, -20.93, 29.17
CIELCh	57, 35.898, 125.664
Yxy	24.6728, 0.3411, 0.4415
Android (android.graphics.Color)	4285894996 (0xFF759154)
YUV	129.6740, -22.5173, -11.1151
Hunter-Lab	49.6717, -18.4251, 20.2732

Details

The XYZ color **19.0618, 24.6728, 12.1452** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **14.9642, 11.8304, 28.2842**, and the grayscale version is **21.1798, 22.2828, 24.2659**.

A 20% lighter version of the original color is **41.3742, 51.1422, 30.6124**, and **6.6514, 9.3323, 3.2010** is the 20% darker color. If you saturate the color by 10%, you get **17.6890, 24.0249, 9.4171**, and if you desaturate by 10%, it is **20.6170, 25.4027, 15.4966**.

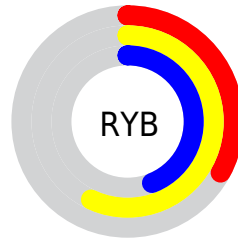
Distribution



Red (46%)

Green (57%)

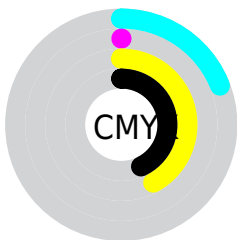
Blue (33%)



Red (33%)

Yellow (57%)

Blue (44%)

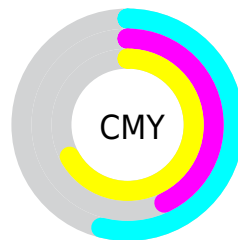


Cyan (19%)

Magenta (0%)

Yellow (42%)

Black (43%)



Cyan (54%)

Magenta (43%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.0618, 24.6728, 12.1452 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 19.0618, 24.6728, 12.1452 by changing the saturation by 10% instead.

■ 19.0618, 24.6728,
12.1452

■ 19.0618, 24.6728,
12.1452

239.7213,
276.2045, 216.3761

■ 11.8192, 15.8334,
6.7189

■ 41.3546, 51.1259,
30.4276

■ 6.6920, 9.4064,
3.2112

■ 57.1355, 69.5085,
44.1208

■ 3.3149, 5.0072,
1.2034

■ 76.4932, 91.8409,
61.4068

■ 1.3224, 2.2515,
0.0000

■ 99.7930, 118.5075,
82.7040

■ 0.1999, 0.7478,
0.0000

■ 127.4004,
149.8928, 108.4309

■ 0.0000, 0.0000,
0.0000

159.6807,

186.3812, 139.0063

196.9992,
228.3569, 174.8485

■ 19.0618, 24.6728,
12.1452

■ 19.0618, 24.6728,
12.1452

■ 17.6890, 24.0249,
9.4171

■ 20.6170, 25.4027,
15.4966

■ 16.4883, 23.4521,
7.2723

■ 22.3607, 26.2148,
19.5050

■ 15.4506, 22.9516,
5.6682


■ 24.3011, 27.1131,
24.2035


■ 14.5654, 22.5189,
4.5562


■ 26.4450, 28.1006,
29.6226

■ 13.8203, 22.1490,
3.8788


■ 28.7991, 29.1801,
35.7909

 13.3039, 21.8901,
3.5240

 31.3697, 30.3542,
42.7356

 34.1626, 31.6254,
50.4823

 37.1838, 32.9963,
59.0555

 40.4386, 34.4690,
68.4787

Harmonies

Analogous

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



22.6649, 24.6728, 9.8287



19.0618, 24.6728, 12.1452



16.8517, 24.6728, 18.4369

Triad

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



19.0618, 24.6728, 12.1452



20.2862, 24.6728, 53.8351



32.4123, 24.6728, 24.6518

Complementary

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



19.0618, 24.6728, 12.1452



14.9642, 11.8304, 28.2842

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.



31.5804, 24.6728, 37.5338



19.0618, 24.6728, 12.1452



24.2546, 24.6728, 56.9726

Square

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



19.0618, 24.6728, 12.1452



17.4975, 24.6728, 42.6801



28.4665, 24.6728, 50.2973



30.6210, 24.6728, 15.5362

Rectangle

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



19.0618, 24.6728, 12.1452



16.3022, 24.6728, 25.1582



28.4665, 24.6728, 50.2973



32.4325, 24.6728, 28.6462

Sweetspot

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



19.0624, 24.6739, 12.1457



43.0809, 48.3515, 42.2642



19.0119, 18.1281, 10.8849



9.4243, 10.6825, 9.0109



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



19.0624, 24.6739, 12.1457



31.9149, 43.1358, 17.3162



15.6615, 22.9207, 11.9866



5.6040, 6.1640, 5.7838



11.4409, 18.7906, 3.0239



0.1348, 0.1928, 0.0301

Inverse Universe

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



14.9642, 11.8304, 28.2842



23.6119, 17.1033, 50.0303



19.4289, 14.1320, 28.4931



5.3501, 5.3687, 6.7830



6.3729, 2.7789, 23.1776



0.0859, 0.0394, 0.2228

Previews

White Background



This preview shows how the XYZ color 19.0618, 24.6728, 12.1452 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 19.0618, 24.6728, 12.1452 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 19.0618, 24.6728, 12.1452

Background



This preview shows how black text looks on a background with the XYZ color 19.0618, 24.6728, 12.1452.



This preview shows how white text looks on a background with the XYZ color 19.0618, 24.6728,

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

19.0618, 24.6728, 12.1452

Protanopia

22.6838, 24.5920, 11.3357

Deuteranopia

25.0539, 24.5624, 12.6530



Tritanopia

22.8951, 24.4651, 31.5325

Trichromacy



Original Color

19.0618, 24.6728, 12.1452

Protanomaly

21.0721, 24.3928, 11.5803

Deuteranomaly

22.4169, 24.2191, 12.5101

Tritanomaly

21.2481, 24.4478, 23.0010

Monochromacy



Original Color

19.0618, 24.6728, 12.1452

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

20.1021, 22.8802, 18.9796

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.0618, 24.6728, 12.1452 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(117, 145, 84)` looks like.

```
.text, #text, p{  
    color:rgb(117, 145, 84)  
}
```

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(117, 145, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 145, 84) }
```

Border

The CSS property to change the border of an element to XYZ 19.0618, 24.6728, 12.1452 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(117, 145, 84) }
```


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

```
.border{ border-color:rgb(117, 145, 84) }
```

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

Here you see how a box with a 4 pixel rgb(117, 145, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 145, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 145, 84);  
box-shadow:4px 4px 4px 4px rgb(117, 145,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 19.0618, 24.6728, 12.1452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 145, 84) }
```

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

```
.background{ background-color: rgb(117,  
145, 84) }
```

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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