

Converting Colors

XYZ(15.6794, 24.4628, 16.5322)

Have a look what the booklet for
XYZ(15.6794, 24.4628, 16.5322)
contains.

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Color

**XYZ(15.6764, 24.4725,
16.4678)**

Conversions

Conversions Part 1

Format	Color
Hex	3F9866
RGB	63, 152, 102
RGB Percent	25%, 60%, 40%
CMY	0.7529, 0.4039, 0.6000
CMYK	0.59, 0.00, 0.33, 0.40
HSL	146°, 41%, 42%
HSV	146°, 59%, 60%
XYZ	15.6764, 24.4725, 16.4678
YIQ	119.6890, -36.9940, -34.4180

Conversions

Conversions Part 2

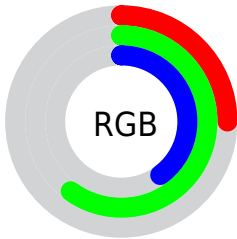
Format	Color
RYB	63, 125, 152
Decimal	4167782
CIELab	56.56, -38.55, 18.54
CIELCh	57, 42.773, 154.312
Yxy	24.4725, 0.2769, 0.4322
Android (android.graphics.Color)	4282357862 (0xFF3F9866)
YUV	119.6890, -8.7207, -49.7163
Hunter-Lab	49.4697, -30.0073, 14.8919

Details

The XYZ color **15.6764, 24.4725, 16.4678** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **17.7078, 11.4232, 16.8953**, and the grayscale version is **17.7892, 18.7157, 20.3814**.

A 20% lighter version of the original color is **35.5338, 50.7771, 38.0651**, and **5.2468, 9.3902, 5.1504** is the 20% darker color. If you saturate the color by 10%, you get **14.4346, 23.8794, 14.3119**, and if you desaturate by 10%, it is **17.2312, 25.2232, 18.8672**.

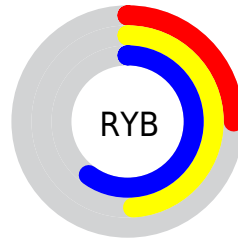
Distribution



Red (25%)

Green (60%)

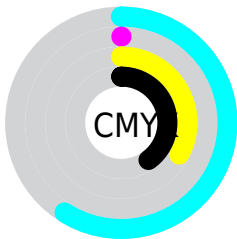
Blue (40%)



Red (25%)

Yellow (49%)

Blue (60%)

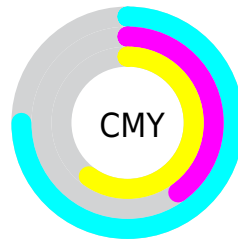


Cyan (59%)

Magenta (0%)

Yellow (33%)

Black (40%)



Cyan (75%)

Magenta (40%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.6764, 24.4725, 16.4678 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 15.6764, 24.4725, 16.4678 by changing the saturation by 10% instead.

■ 15.6764, 24.4725,
16.4678

■ 15.6764, 24.4725,
16.4678

220.7327,
275.2007, 244.0257

■ 9.3848, 15.6845,
9.6979

■ 35.5975, 50.8002,
38.1865

■ 5.0522, 9.3012,
5.0961

■ 49.9578, 69.1086,
53.9723

■ 2.3130, 4.9381,
2.2440

■ 67.7383, 91.3593,
73.6004

■ 0.8013, 2.2110,
0.6996

■ 89.3045, 117.9367,
97.4895

■ 0.0000, 0.7260,
0.0000

■ 115.0217,
149.2251, 126.0581

■ 0.0000, 0.0000,
0.0000

145.2552,

185.6090, 159.7246

180.3704,
227.4727, 198.9076

■ 15.6764, 24.4725,
16.4678

■ 15.6764, 24.4725,
16.4678

■ 14.4346, 23.8794,
14.3119

■ 17.2312, 25.2232,
18.8672

■ 13.4798, 23.4288,
12.3899

■ 19.1183, 26.1394,
21.5160

■ 12.7849, 23.1074,
10.6938

■ 21.3579, 27.2319,
24.4219

■ 12.2948, 22.8870,
9.2134

■ 23.9677, 28.5099,
27.5919

■ 12.2300, 22.8579,
9.0159

■ 26.9644, 29.9817,
31.0326

■ 30.3634, 31.6552,
34.7504

■ 34.1796, 33.5379,
38.7514

■ 38.4267, 35.6368,
43.0416

■ 43.1182, 37.9587,
47.6267

Harmonies

Analogous

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



18.2847, 24.4725, 9.8460



15.6764, 24.4725, 16.4678



14.9826, 24.4725, 28.7546

Triad

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



15.6764, 24.4725, 16.4678



23.9853, 24.4725, 64.2499



32.0673, 24.4725, 14.0180

Complementary

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



15.6764, 24.4725, 16.4678



17.7078, 11.4232, 16.8953

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.



34.1339, 24.4725, 24.6438



15.6764, 24.4725, 16.4678



29.0655, 24.4725, 56.1984

Square

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



15.6764, 24.4725, 16.4678



19.3639, 24.4725, 59.6461



32.9643, 24.4725, 40.3369



27.6474, 24.4725, 8.8253

Rectangle

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



15.6764, 24.4725, 16.4678



15.6020, 24.4725, 39.5575



32.9643, 24.4725, 40.3369



33.0867, 24.4725, 16.9033

Sweetspot

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



15.6770, 24.4735, 16.4684



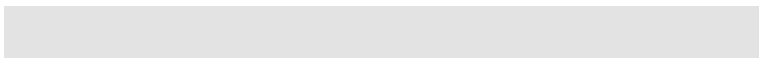
42.4038, 50.3699, 48.8185



18.9922, 26.3559, 8.7891



9.3382, 11.3015, 10.7400



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



15.6770, 24.4735, 16.4684



24.9547, 41.8999, 24.2668



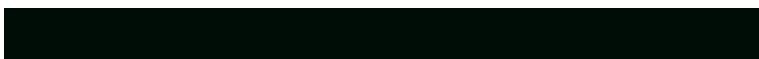
18.4724, 25.5916, 31.1885



6.2389, 6.9683, 7.1817



10.2693, 19.1712, 7.6388



0.1714, 0.2937, 0.2081

Inverse Universe

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



17.7078, 11.4232, 16.8953



28.8678, 16.6820, 25.0367



15.7992, 10.6598, 6.8445



6.3468, 6.2779, 7.2063



12.2612, 6.1587, 7.9003



0.2016, 0.0994, 0.2143

Previews

White Background



This preview shows how the XYZ color 15.6764, 24.4725, 16.4678 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 15.6764, 24.4725, 16.4678 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 15.6764, 24.4725, 16.4678

Background



This preview shows how black text looks on a background with the XYZ color 15.6764, 24.4725, 16.4678.



This preview shows how white text looks on a background with the XYZ color 15.6764, 24.4725,

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

15.6764, 24.4725, 16.4678

Protanopia

22.4066, 24.1739, 14.3116

Deuteranopia

24.4087, 23.9301, 17.2424



Tritanopia

19.5195, 24.3906, 35.5774

Trichromacy



Original Color

15.6764, 24.4725, 16.4678



Protanomaly

18.7997, 23.5764, 15.1151



Deuteranomaly

19.6638, 23.1222, 16.7912



Tritanomaly

17.9293, 24.4418, 27.4397

Monochromacy



Original Color

15.6764, 24.4725, 16.4678



Achromatopsia

17.8524, 18.7821, 20.4537



Achromatomaly

16.3775, 20.3474, 18.6870

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.6764, 24.4725, 16.4678 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(63, 152, 102)` looks like.

```
.text, #text, p{  
    color:rgb(63, 152, 102)  
}
```

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(63, 152, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 152, 102) }
```

Border

The CSS property to change the border of an element to XYZ 15.6764, 24.4725, 16.4678 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(63, 152, 102) }
```


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

```
.border{ border-color:rgb(63, 152, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 152, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 152, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 152, 102);  
box-shadow:4px 4px 4px 4px rgb(63, 152,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 15.6764, 24.4725, 16.4678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 152, 102) }
```

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

```
.background{ background-color: rgb(63, 152,  
102) }
```

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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