

Converting Colors

XYZ(15.4175, 16.3273, 12.0193)

Have a look what the booklet for
XYZ(15.4175, 16.3273, 12.0193)
contains.

XYZ(15.3854, 16.3196, 12.0120)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(15.3854, 16.3196,
12.0120)**

Conversions

Conversions Part 1

Format	Color
Hex	78705A
RGB	120, 112, 90
RGB Percent	47%, 44%, 35%
CMY	0.5294, 0.5608, 0.6471
CMYK	0.00, 0.07, 0.25, 0.53
HSL	44°, 14%, 41%
HSV	44°, 25%, 47%
XYZ	15.3854, 16.3196, 12.0120
YIQ	111.8840, 11.8300, -5.1460

Conversions

Conversions Part 2

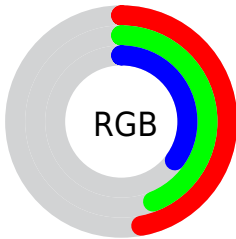
Format	Color
RYB	101, 120, 90
Decimal	7893082
CIELab	47.39, -0.74, 13.37
CIElCh	47, 13.394, 93.172
Yxy	16.3196, 0.3519, 0.3733
Android (android.graphics.Color)	4286083162 (0xFF78705A)
YUV	111.8840, -10.7888, 7.1177
Hunter-Lab	40.3975, -2.7139, 10.6487

Details

The XYZ color **15.3854, 16.3196, 12.0120** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.9743, 12.2649, 19.5057**, and the grayscale version is **15.3956, 16.1974, 17.6390**.

A 20% lighter version of the original color is **35.2427, 37.3286, 30.1586**, and **4.8866, 5.1882, 3.1268** is the 20% darker color. If you saturate the color by 10%, you get **14.5687, 15.4387, 9.4200**, and if you desaturate by 10%, it is **16.2979, 17.2601, 15.0432**.

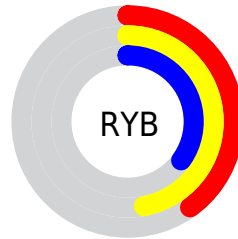
Distribution



Red (47%)

Green (44%)

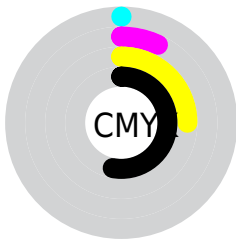
Blue (35%)



Red (40%)

Yellow (47%)

Blue (35%)

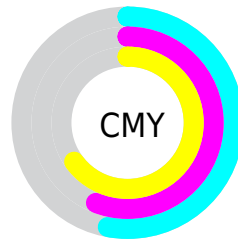


Cyan (0%)

Magenta (7%)

Yellow (25%)

Black (53%)



Cyan (53%)

Magenta (56%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.3854, 16.3196, 12.0120 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 15.3854, 16.3196, 12.0120 by changing the saturation by 10% instead.

■ 15.3854, 16.3196,
12.0120

■ 15.3854, 16.3196,
12.0120

219.0297,
231.2203, 215.4654

■ 9.1784, 9.7506,
6.6292

■ 35.0940, 37.1522,
30.1817

■ 4.9158, 5.2339,
3.1564

■ 49.3263, 52.1845,
43.8057

■ 2.2322, 2.3851,
1.1750

■ 66.9644, 70.8067,
61.0138

■ 0.7596, 0.8182,
0.0000

■ 88.3737, 93.4033,
82.2246

■ 0.0000, 0.0000,
0.0000

■ 113.9195,
120.3585, 107.8566

143.9672,

152.0568, 138.3284

178.8822,
188.8826, 174.0585

■ 15.3854, 16.3196,
12.0120

■ 15.3854, 16.3196,
12.0120

■ 14.5687, 15.4387,
9.4200

■ 16.2979, 17.2601,
15.0432

■ 13.8426, 14.6133,
7.2455

■ 17.3089, 18.2596,
18.5322

■ 13.2030, 13.8422,
5.4661

■ 18.4223, 19.3206,
22.4974

■ 12.6452, 13.1232,
4.0571

■ 19.6416, 20.4446,
26.9563

■ 12.1637, 12.4540,
2.9911

■ 20.9699, 21.6331,
31.9251

■ 11.7526, 11.8319,
2.2367

■ 22.4104, 22.8875,
37.4197

■ 11.4020, 11.2529,
1.7434

■ 23.9659, 24.2092,
43.4549

■ 11.2363, 10.9742,
1.5260

■ 25.6395, 25.5995,
50.0451

■ 27.4337, 27.0596,
57.2042

Harmonies

Analogous

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



16.5637, 16.3196, 12.5538



15.3854, 16.3196, 12.0120



14.2963, 16.3196, 12.8428

Triad

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



15.3854, 16.3196, 12.0120



13.6792, 16.3196, 21.5888



17.6372, 16.3196, 20.8837

Complementary

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



15.3854, 16.3196, 12.0120



11.9743, 12.2649, 19.5057

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.



16.7932, 16.3196, 23.8176



15.3854, 16.3196, 12.0120



14.5044, 16.3196, 24.2598

Square

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



15.3854, 16.3196, 12.0120



13.3434, 16.3196, 18.1332



15.6379, 16.3196, 25.1228



17.9022, 16.3196, 17.4102

Rectangle

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



15.3854, 16.3196, 12.0120



13.7561, 16.3196, 14.1340



15.6379, 16.3196, 25.1228



17.4098, 16.3196, 21.9798

Sweetspot

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



15.3858, 16.3203, 12.0123



30.0417, 31.7242, 31.1914



13.6067, 12.1875, 13.1908



7.1016, 7.5007, 7.3293



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



15.3858, 16.3203, 12.0123



26.2164, 27.8026, 18.4203



15.3722, 17.6820, 12.2759



4.2217, 4.4618, 4.2632



12.2462, 11.9483, 1.6608



57.6884, 55.5403, 7.6798

Inverse Universe

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



11.9743, 12.2649, 19.5057



19.1322, 19.3829, 33.9860



11.9763, 11.2101, 19.3020



3.8765, 4.0514, 5.0209



4.2510, 2.5844, 19.6601



19.6671, 11.1069, 93.5771

Previews

White Background



This preview shows how the XYZ color 15.3854, 16.3196, 12.0120 looks on a white 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

Black Background



This preview shows how the XYZ color 15.3854, 16.3196, 12.0120 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

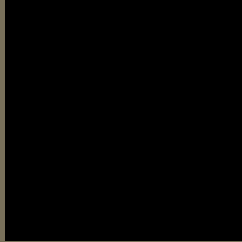
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.3854, 16.3196, 12.0120

Background



This preview shows how black text looks on a background with the XYZ color 15.3854, 16.3196, 12.0120.



This preview shows how white text looks on a background with the XYZ color 15.3854, 16.3196,

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

15.3854, 16.3196, 12.0120

Protanopia

15.2474, 16.2485, 12.0055

Deuteranopia

16.6110, 16.3057, 12.1694



Tritanopia

16.7418, 16.2204, 19.0781

Trichromacy



Original Color

15.3854, 16.3196, 12.0120

Protanomaly

15.2474, 16.2485, 12.0055

Deuteranomaly

16.1094, 16.2046, 12.1763

Tritanomaly

16.1485, 16.1364, 16.1734

Monochromacy



Original Color

15.3854, 16.3196, 12.0120

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

15.3631, 16.2327, 15.4202

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.3854, 16.3196, 12.0120 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(120, 112, 90)` looks like.

```
.text, #text, p{  
    color:rgb(120, 112, 90)  
}
```

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(120, 112, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 112, 90) }
```

Border

The CSS property to change the border of an element to XYZ 15.3854, 16.3196, 12.0120 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(120, 112, 90) }
```


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

```
.border{ border-color:rgb(120, 112, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 112, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 112, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 112, 90);  
box-shadow:4px 4px 4px 4px rgb(120, 112,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 15.3854, 16.3196, 12.0120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 112, 90) }
```

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

```
.background{ background-color: rgb(120,  
112, 90) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor