

Converting Colors

XYZ(15.1961, 16.8729, 8.1705)

Have a look what the booklet for
XYZ(15.1961, 16.8729, 8.1705)
contains.

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Color

**XYZ(15.1214, 16.7686,
8.2340)**

Conversions

Conversions Part 1

Format	Color
Hex	797346
RGB	121, 115, 70
RGB Percent	47%, 45%, 27%
CMY	0.5255, 0.5490, 0.7255
CMYK	0.00, 0.05, 0.42, 0.53
HSL	53°, 27%, 37%
HSV	53°, 42%, 47%
XYZ	15.1214, 16.7686, 8.2340
YIQ	111.6640, 18.0210, -12.7230

Conversions

Conversions Part 2

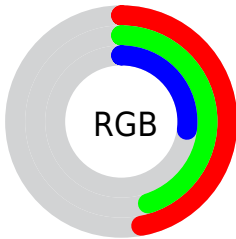
Format	Color
RYB	77, 121, 70
Decimal	7959366
CIELab	47.97, -4.79, 25.71
CIElCh	48, 26.155, 100.557
Yxy	16.7686, 0.3769, 0.4179
Android (android.graphics.Color)	4286149446 (0xFF797346)
YUV	111.6640, -20.5404, 8.1877
Hunter-Lab	40.9495, -5.7470, 16.7428

Details

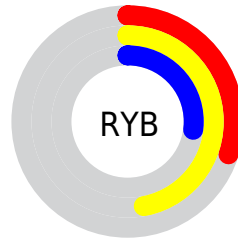
The XYZ color **15.1214, 16.7686, 8.2340** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **8.5614, 7.8512, 19.1534**, and the grayscale version is **15.3575, 16.1573, 17.5953**.

A 20% lighter version of the original color is **34.6040, 37.9680, 22.9575**, and **4.7812, 5.4241, 1.7147** is the 20% darker color. If you saturate the color by 10%, you get **14.6165, 16.3096, 6.3675**, and if you desaturate by 10%, it is **15.7067, 17.2649, 10.5075**.

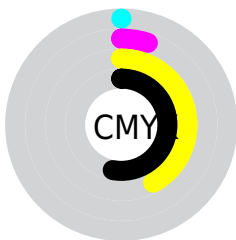
Distribution



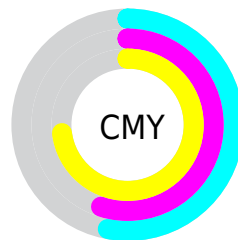
- Red (47%)
- Green (45%)
- Blue (27%)



- Red (30%)
- Yellow (47%)
- Blue (27%)



- Cyan (0%)
- Magenta (5%)
- Yellow (42%)
- Black (53%)



- Cyan (53%)
- Magenta (55%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.1214, 16.7686, 8.2340 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 15.1214, 16.7686, 8.2340 by changing the saturation by 10% instead.

■ 15.1214, 16.7686,
8.2340

■ 15.1214, 16.7686,
8.2340

■ 217.4737,
233.8353, 187.5586

■ 8.9915, 10.0696,
4.1551

■ 34.6359, 37.9275,
22.9696

■ 4.7927, 5.4452,
1.7108

■ 48.7513, 53.1562,
34.4634

■ 2.1597, 2.5107,
0.3681

■ 66.2591, 71.9970,
49.2660

■ 0.7213, 0.8820,
0.0000

■ 87.5248, 94.8342,
67.7958

■ 0.0000, 0.0000,
0.0000

■ 112.9138,
122.0522, 90.4715

142.7914,

154.0355, 117.7114

177.5229,
191.1684, 149.9343

■ 15.1214, 16.7686,
8.2340

■ 15.1214, 16.7686,
8.2340

■ 14.6165, 16.3096,
6.3675

■ 15.7067, 17.2649,
10.5075

■ 14.1860, 15.8838,
4.8825

■ 16.3753, 17.7980,
13.2094

■ 13.8252, 15.4898,
3.7520

■ 17.1316, 18.3703,
16.3608

■ 13.5281, 15.1253,
2.9455

■ 17.9794, 18.9832,
19.9813

■ 13.2881, 14.7875,
2.4267

■ 18.9222, 19.6381,
24.0892

■ 13.1191, 14.5328,
2.1137

■ 19.9631, 20.3364,
28.7017

■ 21.1055, 21.0794,
33.8353

■ 22.3522, 21.8683,
39.5059

■ 23.7062, 22.7042,
45.7284

Harmonies

Analogous

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



17.4960, 16.7686, 8.5441



15.1214, 16.7686, 8.2340



13.1671, 16.7686, 10.0604

Triad

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



15.1214, 16.7686, 8.2340



12.7344, 16.7686, 28.0735



20.6091, 16.7686, 22.9323

Complementary

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



15.1214, 16.7686, 8.2340



8.5614, 7.8512, 19.1534

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.



19.0728, 16.7686, 30.0123



15.1214, 16.7686, 8.2340



14.4755, 16.7686, 33.4506

Square

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



15.1214, 16.7686, 8.2340



11.8820, 16.7686, 20.7430



16.7836, 16.7686, 34.2366



20.8257, 16.7686, 15.9801

Rectangle

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



15.1214, 16.7686, 8.2340



12.3055, 16.7686, 12.5884



16.7836, 16.7686, 34.2366



20.2232, 16.7686, 25.4166

Sweetspot

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



15.1218, 16.7694, 8.2343



30.5103, 32.7719, 28.5907



11.4080, 8.9784, 8.1161



6.9173, 7.4494, 6.2899



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.



15.1218, 16.7694, 8.2343



26.1636, 29.1961, 11.3648



13.4565, 16.9594, 8.3588



4.2694, 4.5573, 4.2791



14.0538, 15.5636, 2.2634



66.6328, 73.4290, 10.6613

Inverse Universe

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



8.5614, 7.8512, 19.1534



12.6829, 10.8778, 33.8241



9.7326, 7.8700, 19.0953



3.8321, 3.9625, 5.0060



3.8650, 1.8124, 19.5314



18.0985, 7.9696, 93.0542

Previews

White Background



This preview shows how the XYZ color 15.1214, 16.7686, 8.2340 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 15.1214, 16.7686, 8.2340 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 15.1214, 16.7686, 8.2340

Background



This preview shows how black text looks on a background with the XYZ color 15.1214, 16.7686, 8.2340.



This preview shows how white text looks on a background with the XYZ color 15.1214, 16.7686,

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

15.1214, 16.7686, 8.2340

Protanopia

15.4350, 16.7619, 8.2162

Deuteranopia

16.9225, 16.7106, 8.2948



Tritanopia

17.3428, 16.6809, 19.4452

Trichromacy



Original Color

15.1214, 16.7686, 8.2340

Protanomaly

15.2912, 16.6878, 8.2095

Deuteranomaly

16.1818, 16.6491, 8.3220

Tritanomaly

16.3456, 16.5936, 14.6533

Monochromacy



Original Color

15.1214, 16.7686, 8.2340

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

15.1330, 16.3182, 13.6614

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.1214, 16.7686, 8.2340 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(121, 115, 70)` looks like.

```
.text, #text, p{  
    color:rgb(121, 115, 70)  
}
```

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(121, 115, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 115, 70) }
```

Border

The CSS property to change the border of an element to XYZ 15.1214, 16.7686, 8.2340 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(121, 115, 70) }
```


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

```
.border{ border-color:rgb(121, 115, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 115, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 115, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 115, 70);  
box-shadow:4px 4px 4px 4px rgb(121, 115,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 15.1214, 16.7686, 8.2340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 115, 70) }
```

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

```
.background{ background-color: rgb(121,  
115, 70) }
```

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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