

Converting Colors

XYZ(15.8358, 16.7269, 11.6332)

Have a look what the booklet for
XYZ(15.8358, 16.7269, 11.6332)
contains.

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Color

**XYZ(15.8350, 16.7258,
11.6263)**

Conversions

Conversions Part 1

Format	Color
Hex	7B7158
RGB	123, 113, 88
RGB Percent	48%, 44%, 35%
CMY	0.5176, 0.5569, 0.6549
CMYK	0.00, 0.08, 0.28, 0.52
HSL	43°, 17%, 41%
HSV	43°, 28%, 48%
XYZ	15.8350, 16.7258, 11.6263
YIQ	113.1400, 13.9850, -5.6550

Conversions

Conversions Part 2

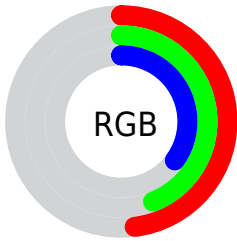
Format	Color
RYB	102, 123, 88
Decimal	8089944
CIELab	47.91, -0.36, 15.31
CIElCh	48, 15.315, 91.350
Yxy	16.7258, 0.3584, 0.3785
Android (android.graphics.Color)	4286280024 (0xFF7B7158)
YUV	113.1400, -12.3940, 8.6472
Hunter-Lab	40.8972, -2.4566, 11.7730

Details

The XYZ color **15.8350, 16.7258, 11.6263** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.9673, 12.2399, 20.4709**, and the grayscale version is **15.7707, 16.5920, 18.0687**.

A 20% lighter version of the original color is **35.9471, 37.9754, 29.4801**, and **5.1323, 5.4036, 2.9630** is the 20% darker color. If you saturate the color by 10%, you get **14.9836, 15.7707, 9.0374**, and if you desaturate by 10%, it is **16.7884, 17.7472, 14.6738**.

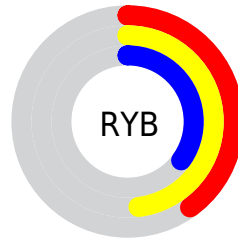
Distribution



Red (48%)

Green (44%)

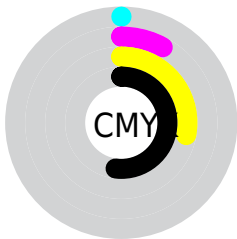
Blue (35%)



Red (40%)

Yellow (48%)

Blue (35%)

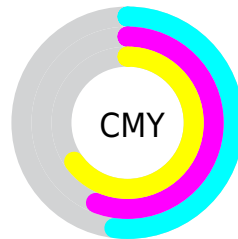


Cyan (0%)

Magenta (8%)

Yellow (28%)

Black (52%)



Cyan (52%)

Magenta (56%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.8350, 16.7258, 11.6263 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 15.8350, 16.7258, 11.6263 by changing the saturation by 10% instead.

■ 15.8350, 16.7258,
11.6263

■ 15.8350, 16.7258,
11.6263

221.6557,
233.5873, 212.8047

■ 9.4976, 10.0392,
6.3703

■ 35.8713, 37.8537,
29.4668

■ 5.1268, 5.4249,
2.9991

■ 50.3009, 53.0638,
42.8884

■ 2.3574, 2.4987,
1.0942

■ 68.1585, 71.8839,
59.8689

■ 0.8238, 0.8760,
0.0000

■ 89.8096, 94.6983,
80.8269

■ 0.0000, 0.0000,
0.0000

■ 115.6196,
121.8914, 106.1810

145.9536,

153.8477, 136.3496

181.1772,
190.9515, 171.7513

■ 15.8350, 16.7258,
11.6263

■ 15.8350, 16.7258,
11.6263

■ 14.9836, 15.7707,
9.0374

■ 16.7884, 17.7472,
14.6738

■ 14.2285, 14.8776,
6.8833

■ 17.8468, 18.8344,
18.2001

■ 13.5652, 14.0449,
5.1396

■ 19.0144, 19.9903,
22.2253

■ 12.9884, 13.2703,
3.7790

■ 20.2950, 21.2163,
26.7681

■ 12.4922, 12.5510,
2.7711

■ 21.6921, 22.5144,
31.8464

■ 12.0695, 11.8842,
2.0804

■ 23.2091, 23.8859,
37.4771

■ 11.7023, 11.2620,
1.6116

■ 24.8491, 25.3325,
43.6762

■ 11.6472, 11.1685,
1.5419

■ 26.6153, 26.8556,
50.4593

■ 28.5106, 28.4567,
57.8413

Harmonies

Analogous

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



17.2028, 16.7258, 12.3277



15.8350, 16.7258, 11.6263



14.5575, 16.7258, 12.4661

Triad

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



15.8350, 16.7258, 11.6263



13.7389, 16.7258, 22.4546



18.3395, 16.7258, 22.1002

Complementary

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



15.8350, 16.7258, 11.6263



11.9673, 12.2399, 20.4709

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.



17.3170, 16.7258, 25.4964



15.8350, 16.7258, 11.6263



14.6597, 16.7258, 25.7209

Square

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



15.8350, 16.7258, 11.6263



13.3913, 16.7258, 18.3910



15.9599, 16.7258, 26.9063



18.6980, 16.7258, 18.0333

Rectangle

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



15.8350, 16.7258, 11.6263



13.9153, 16.7258, 13.8688



15.9599, 16.7258, 26.9063



18.0592, 16.7258, 23.3776

Sweetspot

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



15.8354, 16.7266, 11.6266



31.8066, 33.5739, 32.0763



13.8866, 12.0819, 13.2798



7.4337, 7.8492, 7.3614



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



15.8354, 16.7266, 11.6266



27.3633, 28.8474, 17.7695



16.0471, 18.5837, 11.9740



4.2156, 4.4496, 4.2612



12.0441, 11.5442, 1.5935



56.6980, 53.5594, 7.3497

Inverse Universe

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



11.9673, 12.2399, 20.4709



19.2638, 19.4555, 36.2966



11.7844, 10.8426, 20.2108



3.8823, 4.0629, 5.0228



4.3200, 2.7225, 19.6831



19.9666, 11.7059, 93.6769

Previews

White Background



This preview shows how the XYZ color 15.8350, 16.7258, 11.6263 looks on a white background.

Color Contrast Check

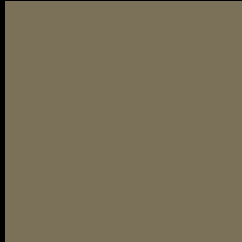
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.8350, 16.7258, 11.6263 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 15.8350, 16.7258, 11.6263

Background



This preview shows how black text looks on a background with the XYZ color 15.8350, 16.7258, 11.6263.

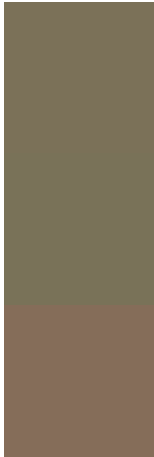


This preview shows how white text looks on a background with the XYZ color 15.8350, 16.7258,

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

15.8350, 16.7258, 11.6263

Protanopia

15.6639, 16.8042, 11.6505

Deuteranopia

16.9447, 16.6451, 11.7709



Tritanopia

17.4911, 16.7573, 19.4521

Trichromacy



Original Color

15.8350, 16.7258, 11.6263

Protanomaly

15.8048, 16.8768, 11.6571

Deuteranomaly

16.4324, 16.5403, 11.7777

Tritanomaly

16.8340, 16.6490, 16.2363

Monochromacy



Original Color

15.8350, 16.7258, 11.6263

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

15.7399, 16.5916, 15.4696

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8350, 16.7258, 11.6263 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(123, 113, 88)` looks like.

```
.text, #text, p{  
    color:rgb(123, 113, 88)  
}
```

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(123, 113, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 113, 88) }
```

Border

The CSS property to change the border of an element to XYZ 15.8350, 16.7258, 11.6263 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(123, 113, 88) }
```


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

```
.border{ border-color:rgb(123, 113, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 113, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 113, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 113, 88);  
box-shadow:4px 4px 4px 4px rgb(123, 113,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8350, 16.7258, 11.6263 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 113, 88) }
```

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

```
.background{ background-color: rgb(123,  
113, 88) }
```

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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