

Converting Colors

XYZ(12.1170, 15.7964, 11.2776)

Have a look what the booklet for
XYZ(12.1170, 15.7964, 11.2776)
contains.

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Color

**XYZ(12.1143, 15.8440,
11.2238)**

Conversions

Conversions Part 1

Format	Color
Hex	567756
RGB	86, 119, 86
RGB Percent	34%, 47%, 34%
CMY	0.6627, 0.5333, 0.6627
CMYK	0.28, 0.00, 0.28, 0.53
HSL	120°, 16%, 40%
HSV	120°, 28%, 47%
XYZ	12.1143, 15.8440, 11.2238
YIQ	105.3710, -9.0750, -17.2590

Conversions

Conversions Part 2

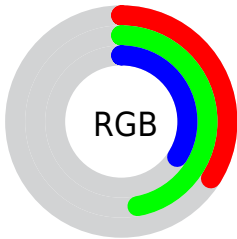
Format	Color
R_{YB}	86, 119, 119
Decimal	5666646
CIE _{Lab}	46.77, -18.93, 14.45
CIE _{LCh}	47, 23.813, 142.650
Yxy	15.8440, 0.3092, 0.4044
Android (android.graphics.Color)	4283856726 (0xFF567756)
YUV	105.3710, -9.5499, -16.9884
Hunter-Lab	39.8045, -15.3324, 11.1450

Details

The XYZ color **12.1143, 15.8440, 11.2238** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **14.2659, 11.9098, 19.0004**, and the grayscale version is **13.5552, 14.2611, 15.5304**.

A 20% lighter version of the original color is **29.3234, 36.2218, 28.7385**, and **3.4099, 4.9649, 2.7861** is the 20% darker color. If you saturate the color by 10%, you get **10.6684, 15.1499, 8.8584**, and if you desaturate by 10%, it is **13.8234, 16.6654, 14.0190**.

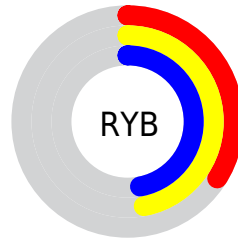
Distribution



Red (34%)

Green (47%)

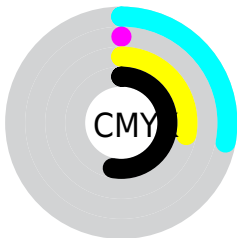
Blue (34%)



Red (34%)

Yellow (47%)

Blue (47%)

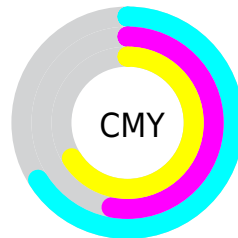


Cyan (28%)

Magenta (0%)

Yellow (28%)

Black (53%)



Cyan (66%)


Magenta (53%)


Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.1143, 15.8440, 11.2238 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 12.1143, 15.8440, 11.2238 by changing the saturation by 10% instead.


 12.1143, 15.8440,
11.2238


 12.1143, 15.8440,
11.2238


198.9150,
228.4194, 209.9888


 6.8943, 9.4138,
6.1015


 29.3182, 36.3272,
28.7162


 3.4418, 5.0121,
2.8371

 42.0328, 51.1490,
41.9234


 1.3915, 2.2544,
1.0121

 57.9763, 69.5367,
58.6627

 0.2502, 0.7494,
0.0000

 77.5141, 91.8749,
79.3526

 0.0000, 0.0000,
0.0000

 101.0115,
118.5479, 104.4116

128.8339,

149.9400, 134.2583

161.3466,
186.4357, 169.3112

■ 12.1143, 15.8440,
11.2238

■ 12.1143, 15.8440,
11.2238

■ 10.6684, 15.1499,
8.8584

■ 13.8234, 16.6654,
14.0190

■ 9.4714, 14.5749,
6.9004

■ 15.8065, 17.6180,
17.2627

■ 8.5096, 14.1130,
5.3273

■ 18.0753, 18.7079,
20.9738

■ 7.7676, 13.7566,
4.1137

■ 20.6406, 19.9401,
25.1697

■ 7.2281, 13.4974,
3.2312

■ 23.5125, 21.3196,
29.8671

■ 6.8711, 13.3259,
2.6472

■ 26.7005, 22.8510,
35.0817

■ 6.6457, 13.2176,
2.2785

■ 30.2141, 24.5387,
40.8287

■ 6.5972, 13.1943,
2.1991

■ 34.0620, 26.3871,
47.1226

■ 38.2527, 28.4001,
53.9772

Harmonies

Analogous

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



13.5793, 15.8440, 8.7315



12.1143, 15.8440, 11.2238



11.4498, 15.8440, 15.8352

Triad

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



12.1143, 15.8440, 11.2238



14.5562, 15.8440, 31.1898



19.0351, 15.8440, 13.2271

Complementary

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



12.1143, 15.8440, 11.2238



14.2659, 11.9098, 19.0004

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.



19.3572, 15.8440, 18.7497



12.1143, 15.8440, 11.2238



16.6430, 15.8440, 30.0397

Square

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



12.1143, 15.8440, 11.2238



12.7734, 15.8440, 27.9800



18.4465, 15.8440, 25.1236



17.6027, 15.8440, 9.6898

Rectangle

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



12.1143, 15.8440, 11.2238



11.5031, 15.8440, 19.8674



18.4465, 15.8440, 25.1236



19.2818, 15.8440, 14.8758

Sweetspot

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



12.1147, 15.8447, 11.2242



28.1251, 31.4617, 30.6192



15.8850, 17.7883, 11.4005



6.5508, 7.4011, 7.0690



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.



12.1147, 15.8447, 11.2242



20.0573, 27.5863, 17.4228



12.8582, 16.1421, 15.1392



3.6406, 4.0982, 3.9415



7.0088, 14.0175, 2.3363



34.1546, 68.3091, 11.3850

Inverse Universe

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



14.2659, 11.9098, 19.0004



24.5583, 19.3528, 33.6938



13.3592, 11.5471, 14.2259



3.8266, 3.7579, 4.6139



11.6204, 5.5819, 19.0068



56.6275, 27.2011, 92.6224

Previews

White Background



This preview shows how the XYZ color 12.1143, 15.8440, 11.2238 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



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 12.1143, 15.8440, 11.2238

Background



This preview shows how black text looks on a background with the XYZ color 12.1143, 15.8440, 11.2238.



This preview shows how white text looks on a background with the XYZ color 12.1143, 15.8440,

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

12.1143, 15.8440, 11.2238

Protanopia

14.5701, 15.6126, 10.2282

Deuteranopia

16.0105, 15.6965, 11.6371



Tritanopia

14.1067, 15.7918, 21.0435

Trichromacy



Original Color

12.1143, 15.8440, 11.2238

Protanomaly

13.4103, 15.4990, 10.4684

Deuteranomaly

14.2559, 15.5842, 11.4892

Tritanomaly

13.2763, 15.7902, 17.0999

Monochromacy



Original Color

12.1143, 15.8440, 11.2238

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

12.8175, 14.6304, 13.7037

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1143, 15.8440, 11.2238 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(86, 119, 86) looks like.

```
.text, #text, p{  
    color:rgb(86, 119, 86)  
}
```

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(86, 119, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 119, 86) }
```

Border

The CSS property to change the border of an element to XYZ 12.1143, 15.8440, 11.2238 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(86, 119, 86) }
```


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

```
.border{ border-color:rgb(86, 119, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 119, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 119, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 119, 86);  
box-shadow:4px 4px 4px 4px rgb(86, 119,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 12.1143, 15.8440, 11.2238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 119, 86) }
```

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

```
.background{ background-color: rgb(86, 119,  
86) }
```

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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