

Converting Colors

XYZ(11.7850, 15.9650, 7.6721)

Have a look what the booklet for
XYZ(11.7850, 15.9650, 7.6721)
contains.

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Color

**XYZ(11.7243, 15.9010,
7.6055)**

Conversions

Conversions Part 1

Format	Color
Hex	587842
RGB	88, 120, 66
RGB Percent	35%, 47%, 26%
CMY	0.6549, 0.5294, 0.7412
CMYK	0.27, 0.00, 0.45, 0.53
HSL	96°, 29%, 36%
HSV	96°, 45%, 47%
XYZ	11.7243, 15.9010, 7.6055
YIQ	104.2760, -1.7380, -23.5780

Conversions

Conversions Part 2

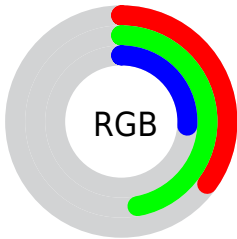
Format	Color
RYB	66, 120, 98
Decimal	5797954
CIELab	46.84, -21.98, 25.99
CIElCh	47, 34.037, 130.231
Yxy	15.9010, 0.3328, 0.4513
Android (android.graphics.Color)	4283988034 (0xFF587842)
YUV	104.2760, -18.8701, -14.2741
Hunter-Lab	39.8761, -17.3008, 16.6049

Details

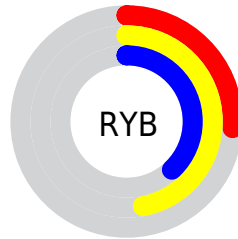
The XYZ color **11.7243, 15.9010, 7.6055** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **10.3761, 7.8497, 18.7385**, and the grayscale version is **13.2818, 13.9735, 15.2171**.

A 20% lighter version of the original color is **28.4945, 36.2318, 21.7113**, and **3.2637, 5.0117, 1.5048** is the 20% darker color. If you saturate the color by 10%, you get **10.7664, 15.4444, 5.9038**, and if you desaturate by 10%, it is **12.8229, 16.4226, 9.7021**.

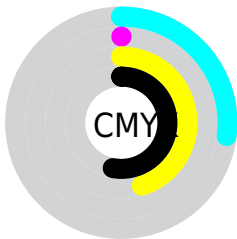
Distribution



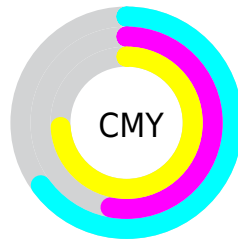
- Red (35%)
- Green (47%)
- Blue (26%)



- Red (26%)
- Yellow (47%)
- Blue (38%)



- Cyan (27%)
- Magenta (0%)
- Yellow (45%)
- Black (53%)



- Cyan (65%)
- Magenta (53%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.7243, 15.9010, 7.6055 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 11.7243, 15.9010, 7.6055 by changing the saturation by 10% instead.

■ 11.7243, 15.9010,
7.6055

■ 11.7243, 15.9010,
7.6055

196.3789,
228.7568, 182.4217

■ 6.6271, 9.4541,
3.7594

■ 28.6132, 36.4263,
21.7146

■ 3.2742, 5.0386,
1.4943

■ 41.1356, 51.2734,
32.8147

■ 1.3004, 2.2699,
0.2137

■ 56.8638, 69.6895,
47.1700

■ 0.1835, 0.7577,
0.0000

■ 76.1631, 92.0588,
65.1989

■ 0.0000, 0.0000,
0.0000

■ 99.3989, 118.7658,
87.3199

■ 126.9366,

150.1949, 113.9517

159.1414,
186.7304, 145.5128

■ 11.7243, 15.9010,
7.6055

■ 11.7243, 15.9010,
7.6055

■ 10.7664, 15.4444,
5.9038

■ 12.8229, 16.4226,
9.7021

■ 9.9416, 15.0478,
4.5711

■ 14.0672, 17.0097,
12.2151

■ 9.2429, 14.7088,
3.5803

■ 15.4632, 17.6655,
15.1657

■ 8.6626, 14.4241,
2.8998

■ 17.0162, 18.3923,
18.5736

■ 8.1886, 14.1886,
2.4794

■ 18.7314, 19.1923,
22.4569

■ 7.9779, 14.0837,
2.2980

■ 20.6136, 20.0677,
26.8329

■ 22.6674, 21.0205,
31.7183

■ 24.8971, 22.0525,
37.1285

■ 27.3072, 23.1658,
43.0786

Harmonies

Analogous

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



14.1239, 15.9010, 5.7089



11.7243, 15.9010, 7.6055



10.3610, 15.9010, 12.3605

Triad

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



11.7243, 15.9010, 7.6055



13.2672, 15.9010, 37.6547



21.4419, 15.9010, 14.5740

Complementary

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



11.7243, 15.9010, 7.6055



10.3761, 7.8497, 18.7385

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.



21.1338, 15.9010, 23.4391



11.7243, 15.9010, 7.6055



16.1481, 15.9010, 38.8456

Square

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



11.7243, 15.9010, 7.6055



11.1679, 15.9010, 30.1345



19.0998, 15.9010, 32.9962



19.8935, 15.9010, 8.7687

Rectangle

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



11.7243, 15.9010, 7.6055



10.1022, 15.9010, 17.3795



19.0998, 15.9010, 32.9962



21.5564, 15.9010, 17.2477

Sweetspot

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



11.7247, 15.9017, 7.6058



27.3665, 31.1490, 27.0413



13.0508, 13.0291, 6.9815



6.3764, 7.3308, 6.1733



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.



11.7247, 15.9017, 7.6058



18.8849, 27.1384, 10.2976



10.0851, 15.0405, 8.2493



4.0912, 4.5223, 4.2818



8.6875, 15.3558, 2.5061



40.5269, 72.7778, 11.9115

Inverse Universe

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



10.3761, 7.8497, 18.7385



16.1831, 11.0513, 32.5332



12.8180, 9.1393, 17.4602



4.0040, 3.9999, 5.0042



6.5264, 2.9372, 19.6083



30.1483, 13.5040, 93.4873

Previews

White Background



This preview shows how the XYZ color 11.7243, 15.9010, 7.6055 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 11.7243, 15.9010, 7.6055 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

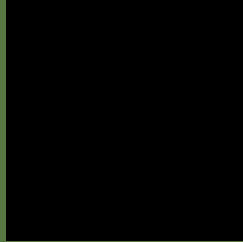
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.7243, 15.9010, 7.6055

Background



This preview shows how black text looks on a background with the XYZ color 11.7243, 15.9010, 7.6055.



This preview shows how white text looks on a background with the XYZ color 11.7243, 15.9010,

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

11.7243, 15.9010, 7.6055

Protanopia

14.6077, 15.8653, 6.9950

Deuteranopia

16.0597, 15.8061, 7.8347



Tritanopia

14.5222, 16.0061, 21.0630

Trichromacy



Original Color

11.7243, 15.9010, 7.6055

Protanomaly

13.3731, 15.7198, 7.1799

Deuteranomaly

14.0639, 15.5681, 7.7325

Tritanomaly

13.2598, 15.8298, 14.9270

Monochromacy



Original Color

11.7243, 15.9010, 7.6055

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

12.4584, 14.4867, 11.8124

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.7243, 15.9010, 7.6055 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(88, 120, 66)` looks like.

```
.text, #text, p{  
    color:rgb(88, 120, 66)  
}
```

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(88, 120, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 120, 66) }
```

Border

The CSS property to change the border of an element to XYZ 11.7243, 15.9010, 7.6055 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(88, 120, 66) }
```


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

```
.border{ border-color:rgb(88, 120, 66) }
```

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

Here you see how a box with a 4 pixel rgb(88, 120, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 120, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 120, 66);  
box-shadow:4px 4px 4px 4px rgb(88, 120,  
66) }
```

Background

The CSS property to change the background color of an element to XYZ 11.7243, 15.9010, 7.6055 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 120, 66) }
```

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

```
.background{ background-color: rgb(88, 120,  
66) }
```

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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