

Converting Colors

XYZ(12.0273, 15.7988, 10.6451)

Have a look what the booklet for
XYZ(12.0273, 15.7988, 10.6451)
contains.

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Color

**XYZ(11.9959, 15.7966,
10.6004)**

Conversions

Conversions Part 1

Format	Color
Hex	567753
RGB	86, 119, 83
RGB Percent	34%, 47%, 33%
CMY	0.6627, 0.5333, 0.6745
CMYK	0.28, 0.00, 0.30, 0.53
HSL	115°, 18%, 40%
HSV	115°, 30%, 47%
XYZ	11.9959, 15.7966, 10.6004
YIQ	105.0290, -8.1120, -18.1920

Conversions

Conversions Part 2

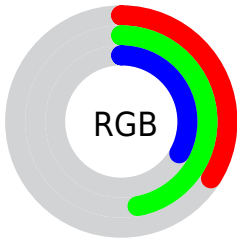
Format	Color
R_YB	83, 119, 116
Decimal	5666643
CIE _{Lab}	46.71, -19.48, 16.11
CIE _{LCh}	47, 25.279, 140.415
Yxy	15.7966, 0.3125, 0.4114
Android (android.graphics.Color)	4283856723 (0xFF567753)
YUV	105.0290, -10.8603, -16.6884
Hunter-Lab	39.7449, -15.6784, 12.0082

Details

The XYZ color **11.9959, 15.7966, 10.6004** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **13.6261, 11.2319, 18.9034**, and the grayscale version is **13.4655, 14.1668, 15.4276**.

A 20% lighter version of the original color is **29.1131, 36.1376, 27.6311**, and **3.3767, 4.9516, 2.6115** is the 20% darker color. If you saturate the color by 10%, you get **10.6465, 15.1500, 8.3413**, and if you desaturate by 10%, it is **13.5783, 16.5551, 13.2828**.

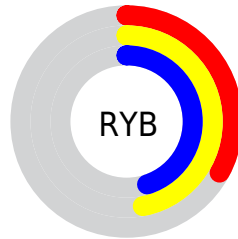
Distribution



Red (34%)

Green (47%)

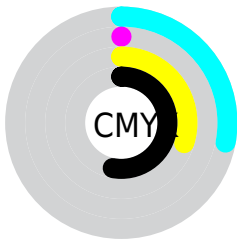
Blue (33%)



Red (33%)

Yellow (47%)

Blue (45%)

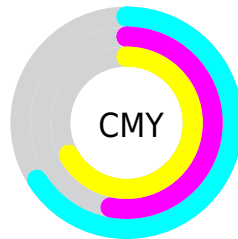


Cyan (28%)

Magenta (0%)

Yellow (30%)

Black (53%)



Cyan (66%)

Magenta (53%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.9959, 15.7966, 10.6004 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 11.9959, 15.7966, 10.6004 by changing the saturation by 10% instead.

■ 11.9959, 15.7966,
10.6004

■ 11.9959, 15.7966,
10.6004

198.1486,
228.1385, 205.5432

■ 6.8131, 9.3803,
5.6880

■ 29.1046, 36.2447,
27.5441

■ 3.3908, 4.9901,
2.5906

■ 41.7611, 51.0454,
40.4125

■ 1.3636, 2.2414,
0.8876

■ 57.6396, 69.4096,
56.7701

■ 0.2301, 0.7425,
0.0000

■ 77.1054, 91.7219,
77.0352

■ 0.0000, 0.0000,
0.0000

■ 100.5238,
118.3665, 101.6266

128.2602,

149.7278, 130.9627

160.6801,
186.1904, 165.4620

■ 11.9959, 15.7966,
10.6004

■ 11.9959, 15.7966,
10.6004

■ 10.6465, 15.1500,
8.3413

■ 13.5783, 16.5551,
13.2828

■ 9.5180, 14.6082,
6.4830

■ 15.4028, 17.4284,
16.4075

■ 8.5990, 14.1663,
5.0024

■ 17.4793, 18.4217,
19.9935

■ 7.8763, 13.8180,
3.8734

■ 19.8171, 19.5393,
24.0586

■ 7.3358, 13.5566,
3.0672

■ 22.4246, 20.7853,
28.6195

■ 6.9608, 13.3744,
2.5498

■ 25.3103, 22.1636,
33.6920

■ 6.7212, 13.2582,
2.2049

■ 28.4819, 23.6779,
39.2914

■ 31.9470, 25.3319,
45.4323

■ 35.7130, 27.1290,
52.1286

Harmonies

Analogous

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



13.5921, 15.7966, 8.1895



11.9959, 15.7966, 10.6004



11.2316, 15.7966, 15.2682

Triad

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



11.9959, 15.7966, 10.6004



14.3236, 15.7966, 32.0500



19.3185, 15.7966, 13.3252

Complementary

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



11.9959, 15.7966, 10.6004



13.6261, 11.2319, 18.9034

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.



19.5630, 15.7966, 19.2879



11.9959, 15.7966, 10.6004



16.5322, 15.7966, 31.1657

Square

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



11.9959, 15.7966, 10.6004



12.4866, 15.7966, 28.2743



18.5005, 15.7966, 26.0901



17.8618, 15.7966, 9.4764

Rectangle

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



11.9959, 15.7966, 10.6004



11.2403, 15.7966, 19.4745



18.5005, 15.7966, 26.0901



19.5503, 15.7966, 15.1095

Sweetspot

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



11.9963, 15.7973, 10.6007



27.9406, 31.3801, 29.9989



15.4151, 17.0380, 10.6600



6.5206, 7.3884, 6.9356



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.



11.9963, 15.7973, 10.6007



19.8259, 27.4937, 16.2051



12.3692, 15.9152, 13.9757



3.6663, 4.1115, 3.9426



7.1364, 14.0833, 2.3422



34.4600, 68.4666, 11.3991

Inverse Universe

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



13.6261, 11.2319, 18.9034



23.2181, 17.9820, 33.5002



13.2002, 11.1083, 14.5456



3.7980, 3.7432, 4.6126



10.2456, 4.8731, 18.9432



49.5782, 23.5670, 92.2961

Previews

White Background



This preview shows how the XYZ color 11.9959, 15.7966, 10.6004 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 11.9959, 15.7966, 10.6004 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 11.9959, 15.7966, 10.6004

Background



This preview shows how black text looks on a background with the XYZ color 11.9959, 15.7966, 10.6004.



This preview shows how white text looks on a background with the XYZ color 11.9959, 15.7966,

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

11.9959, 15.7966, 10.6004

Protanopia

14.5950, 15.6383, 9.6464

Deuteranopia

15.8870, 15.6471, 10.9870



Tritanopia

14.1067, 15.7918, 21.0435

Trichromacy



Original Color

11.9959, 15.7966, 10.6004

Protanomaly

13.4165, 15.5152, 9.8770

Deuteranomaly

14.1342, 15.5355, 10.8480

Tritanomaly

13.1686, 15.7472, 16.5328

Monochromacy



Original Color

11.9959, 15.7966, 10.6004

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

12.7706, 14.6116, 13.4565

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.9959, 15.7966, 10.6004 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, 83)` looks like.

```
.text, #text, p{  
    color:rgb(86, 119, 83)  
}
```

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, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 119, 83) }
```

Border

The CSS property to change the border of an element to XYZ 11.9959, 15.7966, 10.6004 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, 83) }
```


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

```
.border{ border-color:rgb(86, 119, 83) }
```

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, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 119, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 119, 83);  
box-shadow:4px 4px 4px 4px rgb(86, 119,  
83) }
```

Background

The CSS property to change the background color of an element to XYZ 11.9959, 15.7966, 10.6004 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, 83) }
```

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

```
.background{ background-color: rgb(86, 119,  
83) }
```

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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