

Converting Colors

XYZ(11.9794, 13.5364, 11.3263)

Have a look what the booklet for
XYZ(11.9794, 13.5364, 11.3263)
contains.

XYZ(12.0003, 13.4771, 11.4200)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(12.0003, 13.4771,
11.4200)**

Conversions

Conversions Part 1

Format	Color
Hex	636959
RGB	99, 105, 89
RGB Percent	39%, 41%, 35%
CMY	0.6118, 0.5882, 0.6510
CMYK	0.06, 0.00, 0.15, 0.59
HSL	83°, 8%, 38%
HSV	83°, 15%, 41%
XYZ	12.0003, 13.4771, 11.4200
YIQ	101.3820, 1.5600, -6.2480

Conversions

Conversions Part 2

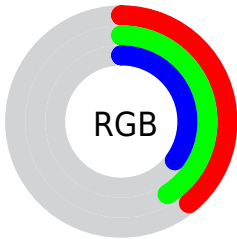
Format	Color
RYB	89, 105, 95
Decimal	6515033
CIELab	43.47, -5.52, 8.22
CIELCh	43, 9.901, 123.860
Yxy	13.4771, 0.3252, 0.3653
Android (android.graphics.Color)	4284705113 (0xFF636959)
YUV	101.3820, -6.1043, -2.0890
Hunter-Lab	36.7112, -5.8957, 7.2541

Details

The XYZ color **12.0003, 13.4771, 11.4200** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **10.8421, 10.5979, 14.8396**, and the grayscale version is **12.4838, 13.1339, 14.3029**.

A 20% lighter version of the original color is **29.1263, 32.1250, 29.0917**, and **3.3839, 3.9380, 2.9646** is the 20% darker color. If you saturate the color by 10%, you get **11.1707, 13.0972, 9.2414**, and if you desaturate by 10%, it is **12.9146, 13.8942, 13.9315**.

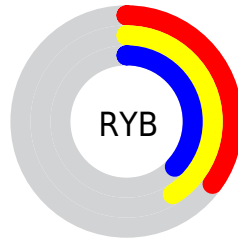
Distribution



Red (39%)

Green (41%)

Blue (35%)



Red (35%)

Yellow (41%)

Blue (37%)

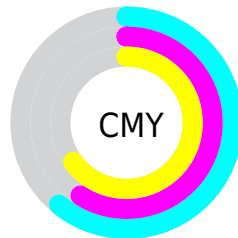


Cyan (6%)

Magenta (0%)

Yellow (15%)

Black (59%)



Cyan (61%)

Magenta (59%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.0003, 13.4771, 11.4200 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 12.0003, 13.4771, 11.4200 by changing the saturation by 10% instead.

■ 12.0003, 13.4771,
11.4200

■ 12.0003, 13.4771,
11.4200

198.1771,
213.9531, 211.3666

■ 6.8161, 7.7579,
6.2324

■ 29.1125, 32.1583,
29.0827

■ 3.3927, 3.9404,
2.9158

■ 41.7712, 45.8891,
42.3948

■ 1.3646, 1.6403,
1.0518

■ 57.6521, 63.0592,
59.2522

■ 0.2308, 0.3845,
0.0000

■ 77.1206, 84.0530,
80.0733

■ 0.0000, 0.0000,
0.0000

■ 100.5420,
109.2549, 105.2768

128.2816,

139.0493, 135.2811

160.7049,
173.8205, 170.5049

■ 12.0003, 13.4771,
11.4200

■ 12.0003, 13.4771,
11.4200

■ 11.1707, 13.0972,
9.2414

■ 12.9146, 13.8942,
13.9315

■ 10.4217, 12.7515,
7.3808

■ 13.9152, 14.3478,
16.7882

■ 9.7505, 12.4392,
5.8237

■ 15.0051, 14.8397,
20.0028

■ 9.1538, 12.1591,
4.5538

■ 16.1869, 15.3708,
23.5871

■ 8.6278, 11.9096,
3.5534

■ 17.4630, 15.9422,
27.5524

■ 8.1687, 11.6890,
2.8029

■ 18.8357, 16.5549,
31.9095

■ 7.7716, 11.4955,
2.2800

■ 20.3072, 17.2096,
36.6687

■ 7.4276, 11.3253,
1.9381

■ 21.8797, 17.9075,
41.8400

■ 7.2726, 11.2486,
1.7879

■ 23.5553, 18.6492,
47.4331

Harmonies

Analogous

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



12.7099, 13.4771, 10.8287



12.0003, 13.4771, 11.4200



11.5228, 13.4771, 12.8801

Triad

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



12.0003, 13.4771, 11.4200



12.1668, 13.4771, 18.8305



14.3482, 13.4771, 14.3900

Complementary

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



12.0003, 13.4771, 11.4200



10.8421, 10.5979, 14.8396

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.



14.1887, 13.4771, 16.6277



12.0003, 13.4771, 11.4200



12.9098, 13.4771, 19.3369

Square

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



12.0003, 13.4771, 11.4200



11.6162, 13.4771, 17.1723



13.6544, 13.4771, 18.4946



14.0820, 13.4771, 12.4311

Rectangle

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



12.0003, 13.4771, 11.4200



11.3898, 13.4771, 14.2243



13.6544, 13.4771, 18.4946



14.3427, 13.4771, 15.1336

Sweetspot

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



12.0007, 13.4777, 11.4203



23.1402, 24.8853, 24.9908



11.7096, 11.8854, 11.1283



5.4003, 5.8202, 5.7972



52.6788, 55.4222, 60.3547



5.6320, 5.9254, 6.4527

Same Dimension

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



12.0007, 13.4777, 11.4203



20.9839, 23.9017, 19.1049



11.1827, 13.0560, 11.3820



3.2285, 3.5296, 3.3286



9.1665, 14.2207, 2.2617



45.7225, 71.9529, 11.4785

Inverse Universe

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



10.8421, 10.5979, 14.8396



18.5174, 17.7705, 26.3851



11.7009, 11.0407, 14.8798



3.0457, 3.0753, 3.8679



4.2674, 1.8270, 17.0500



20.8479, 8.8471, 86.8351

Previews

White Background



This preview shows how the XYZ color 12.0003, 13.4771, 11.4200 looks on a white background.

Color Contrast Check

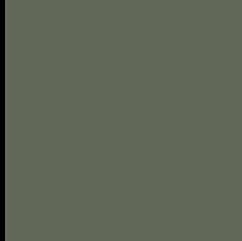
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.0003, 13.4771, 11.4200 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

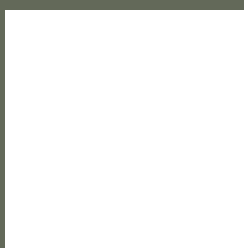
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.0003, 13.4771, 11.4200

Background



This preview shows how black text looks on a background with the XYZ color 12.0003, 13.4771, 11.4200.

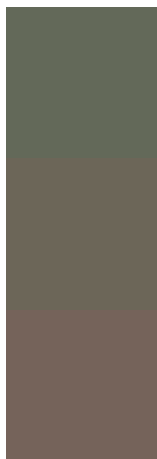


This preview shows how white text looks on a background with the XYZ color 12.0003, 13.4771,

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

12.0003, 13.4771, 11.4200

Protanopia

12.6972, 13.3955, 11.1489

Deuteranopia

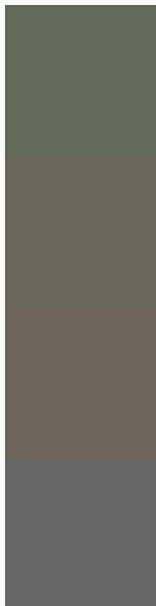
13.6434, 13.4438, 11.5487



Tritanopia

13.0453, 13.4533, 16.6610

Trichromacy



Original Color

12.0003, 13.4771, 11.4200

Protanomaly

12.4374, 13.4083, 11.1651

Deuteranomaly

12.9296, 13.3605, 11.5702

Tritanomaly

12.6153, 13.4265, 14.4970

Monochromacy



Original Color

12.0003, 13.4771, 11.4200

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.1646, 13.0751, 13.1919

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0003, 13.4771, 11.4200 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(99, 105, 89) looks like.

```
.text, #text, p{  
    color:rgb(99, 105, 89)  
}
```

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(99, 105, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 105, 89) }
```

Border

The CSS property to change the border of an element to XYZ 12.0003, 13.4771, 11.4200 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(99, 105, 89) }
```


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

```
.border{ border-color:rgb(99, 105, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 105, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 105, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 105, 89);  
box-shadow:4px 4px 4px 4px rgb(99, 105,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 12.0003, 13.4771, 11.4200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 105, 89) }
```

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

```
.background{ background-color: rgb(99, 105,  
89) }
```

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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