

Converting Colors

XYZ(11.4469, 16.1050, 11.7898)

Have a look what the booklet for
XYZ(11.4469, 16.1050, 11.7898)
contains.

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Color

**XYZ(11.3935, 16.0014,
11.7206)**

Conversions

Conversions Part 1

Format	Color
Hex	487A58
RGB	72, 122, 88
RGB Percent	28%, 48%, 35%
CMY	0.7176, 0.5216, 0.6549
CMYK	0.41, 0.00, 0.28, 0.52
HSL	139°, 26%, 38%
HSV	139°, 41%, 48%
XYZ	11.3935, 16.0014, 11.7206
YIQ	103.1740, -18.8860, -21.1740

Conversions

Conversions Part 2

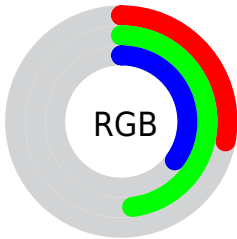
Format	Color
R_{YB}	72, 110, 122
Decimal	4749912
CIE _{Lab}	46.98, -24.92, 13.44
CIE _{LCh}	47, 28.310, 151.656
Yxy	16.0014, 0.2913, 0.4091
Android (android.graphics.Color)	4282939992 (0xFF487A58)
YUV	103.1740, -7.4808, -27.3396
Hunter-Lab	40.0017, -19.1618, 10.6291

Details

The XYZ color **11.3935, 16.0014, 11.7206** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **12.9455, 9.8133, 14.8482**, and the grayscale version is **12.9613, 13.6363, 14.8500**.

A 20% lighter version of the original color is **28.0858, 36.7059, 29.6494**, and **3.1313, 5.1028, 3.0104** is the 20% darker color. If you saturate the color by 10%, you get **10.2484, 15.4490, 9.9742**, and if you desaturate by 10%, it is **12.7591, 16.6638, 13.6822**.

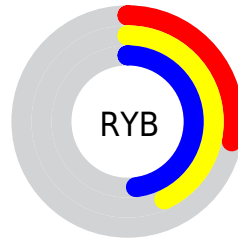
Distribution



Red (28%)

Green (48%)

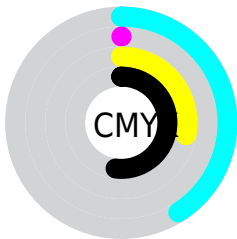
Blue (35%)



Red (28%)

Yellow (43%)

Blue (48%)

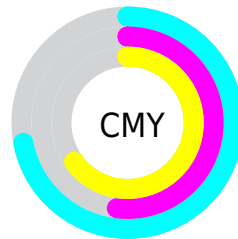


Cyan (41%)

Magenta (0%)

Yellow (28%)

Black (52%)



Cyan (72%)

Magenta (52%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.3935, 16.0014, 11.7206 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 11.3935, 16.0014, 11.7206 by changing the saturation by 10% instead.

■ 11.3935, 16.0014,
11.7206

■ 11.3935, 16.0014,
11.7206

194.2007,
229.3500, 213.4586

■ 6.4014, 9.5251,
6.4335

■ 28.0121, 36.6006,
29.6419

■ 3.1336, 5.0853,
3.0374

■ 40.3693, 51.4924,
43.1133

■ 1.2248, 2.2974,
1.1138

■ 55.9123, 69.9581,
60.1498

■ 0.1258, 0.7723,
0.0000

■ 75.0063, 92.3822,
81.1700

■ 0.0000, 0.0000,
0.0000

■ 98.0168, 119.1490,
106.5924

125.3092,

150.6430, 136.8356

157.2487,
187.2485, 172.3182

■ 11.3935, 16.0014,
11.7206

■ 11.3935, 16.0014,
11.7206

■ 10.2484, 15.4490,
9.9742

■ 12.7591, 16.6638,
13.6822

■ 9.3105, 14.9986,
8.4345

■ 14.3551, 17.4399,
15.8650

■ 8.5670, 14.6442,
7.0942


■ 16.1921, 18.3355,
18.2760


■ 8.0030, 14.3783,
5.9448


■ 18.2799, 19.3554,
20.9216


■ 7.6013, 14.1922,
4.9776


■ 20.6277, 20.5043,
23.8080

 7.3267, 14.0664,
4.2519

 23.2441, 21.7865,
26.9410

 26.1374, 23.2061,
30.3264

 29.3155, 24.7671,
33.9697

 32.7860, 26.4733,
37.8763

Harmonies

Analogous

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



12.8457, 16.0014, 8.2066



11.3935, 16.0014, 11.7206



10.9310, 16.0014, 17.8196

Triad

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



11.3935, 16.0014, 11.7206



15.3468, 16.0014, 34.9037



19.6296, 16.0014, 11.2047

Complementary

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



11.3935, 16.0014, 11.7206



12.9455, 9.8133, 14.8482

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.



20.4784, 16.0014, 17.0319



11.3935, 16.0014, 11.7206



17.8454, 16.0014, 31.7881

Square

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



11.3935, 16.0014, 11.7206



13.0597, 16.0014, 32.3798



19.7930, 16.0014, 24.7268



17.5817, 16.0014, 7.9705

Rectangle

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



11.3935, 16.0014, 11.7206



11.2011, 16.0014, 22.9514



19.7930, 16.0014, 24.7268



20.0740, 16.0014, 12.8620

Sweetspot

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



11.3939, 16.0021, 11.7210



28.0390, 32.0383, 31.5747



14.0935, 17.4621, 8.7588



6.3365, 7.2892, 7.1228



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.



11.3939, 16.0021, 11.7210



18.1772, 27.2495, 17.7798



12.6038, 16.4860, 18.0921



3.9989, 4.4692, 4.5278



7.7100, 14.8077, 4.4578



36.4289, 70.4946, 19.4286

Inverse Universe

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



12.9455, 9.8133, 14.8482



21.2904, 14.8115, 24.0397



11.8354, 9.3692, 9.0023



4.1025, 4.0567, 4.7374



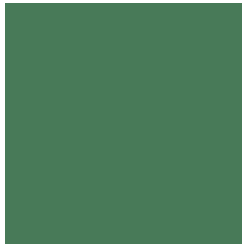
10.0885, 5.0116, 9.0231



47.7226, 23.7454, 40.9309

Previews

White Background



This preview shows how the XYZ color 11.3935, 16.0014, 11.7206 looks on a white background.

Color Contrast Check

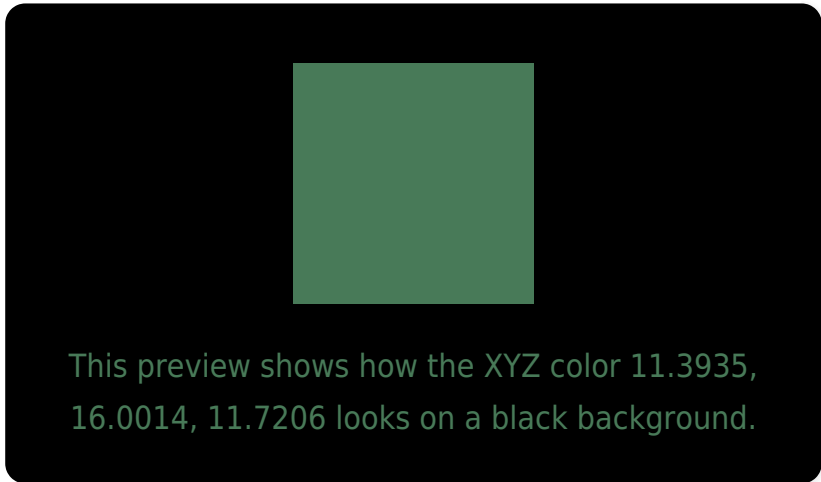
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.3935, 16.0014, 11.7206

Background



This preview shows how black text looks on a background with the XYZ color 11.3935, 16.0014, 11.7206.



This preview shows how white text looks on a background with the XYZ color 11.3935, 16.0014,

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

11.3935, 16.0014, 11.7206

Protanopia

14.8535, 15.9154, 10.4727

Deuteranopia

16.0481, 15.8599, 12.1130



Tritanopia

13.5205, 15.9783, 22.1102

Trichromacy



Original Color

11.3935, 16.0014, 11.7206

Protanomaly

13.2499, 15.7421, 10.9345

Deuteranomaly

13.8240, 15.5147, 11.9389

Tritanomaly

12.6633, 15.9832, 17.7469

Monochromacy



Original Color

11.3935, 16.0014, 11.7206

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.1942, 14.3090, 13.6745

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.3935, 16.0014, 11.7206 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(72, 122, 88)` looks like.

```
.text, #text, p{  
    color:rgb(72, 122, 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(72, 122, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 122, 88) }
```

Border

The CSS property to change the border of an element to XYZ 11.3935, 16.0014, 11.7206 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(72, 122, 88) }
```


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

```
.border{ border-color:rgb(72, 122, 88) }
```

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

Here you see how a box with a 4 pixel rgb(72, 122, 88) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 122, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 122, 88);  
box-shadow:4px 4px 4px 4px rgb(72, 122,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 11.3935, 16.0014, 11.7206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 122, 88) }
```

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

```
.background{ background-color: rgb(72, 122,  
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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