

Converting Colors

XYZ(11.7534, 14.4493, 4.3600)

Have a look what the booklet for
XYZ(11.7534, 14.4493, 4.3600)
contains.

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Color

**XYZ(11.6959, 14.4196,
4.3573)**

Conversions

Conversions Part 1

Format	Color
Hex	676F2A
RGB	103, 111, 42
RGB Percent	40%, 44%, 16%
CMY	0.5961, 0.5647, 0.8353
CMYK	0.07, 0.00, 0.62, 0.56
HSL	67°, 45%, 30%
HSV	67°, 62%, 44%
XYZ	11.6959, 14.4196, 4.3573
YIQ	100.7420, 17.3810, -23.1550

Conversions

Conversions Part 2

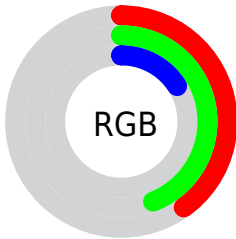
Format	Color
R_{YB}	42, 111, 50
Decimal	6778666
CIE Lab	44.83, -13.50, 36.47
CIE LCh	45, 38.885, 110.310
Yxy	14.4196, 0.3838, 0.4732
Android (android.graphics.Color)	4284968746 (0xFF676F2A)
YUV	100.7420, -28.9598, 1.9803
Hunter-Lab	37.9731, -11.4742, 19.7779

Details

The XYZ color **11.6959, 14.4196, 4.3573** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **5.0131, 3.4821, 15.4476**, and the grayscale version is **12.3726, 13.0169, 14.1754**.

A 20% lighter version of the original color is **28.6958, 34.0176, 14.9512**, and **3.2988, 4.3393, 0.6637** is the 20% darker color. If you saturate the color by 10%, you get **11.3778, 14.2759, 3.4454**, and if you desaturate by 10%, it is **12.0721, 14.5878, 5.5600**.

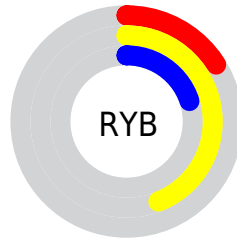
Distribution



Red (40%)

Green (44%)

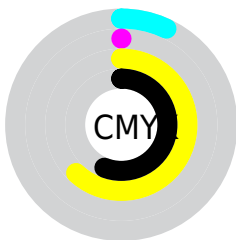
Blue (16%)



Red (16%)

Yellow (44%)

Blue (20%)

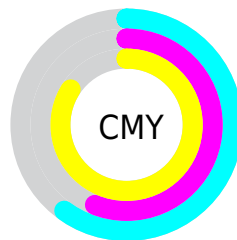


Cyan (7%)

Magenta (0%)

Yellow (62%)

Black (56%)



Cyan (60%)

Magenta (56%)

Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.6959, 14.4196, 4.3573 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 11.6959, 14.4196, 4.3573 by changing the saturation by 10% instead.

■ 11.6959, 14.4196,
4.3573

■ 11.6959, 14.4196,
4.3573

196.1929,
219.8258, 152.1176

■ 6.6077, 8.4131,
1.8233

■ 28.5617, 33.8317,
14.8258

■ 3.2621, 4.3604,
0.4433

■ 41.0700, 48.0061,
23.5973

■ 1.2938, 1.8771,
0.0000

■ 56.7824, 65.6719,
35.2852

■ 0.1786, 0.5346,
0.0000

■ 76.0642, 87.2135,
50.3079

■ 0.0000, 0.0000,
0.0000

■ 99.2808, 113.0153,
69.0839

■ 126.7975,

143.4617, 92.0319

158.9798,
178.9370, 119.5702

■ 11.6959, 14.4196,
4.3573

■ 11.6959, 14.4196,
4.3573

■ 11.3778, 14.2759,
3.4454

■ 12.0721, 14.5878,
5.5600

■ 11.1120, 14.1529,
2.7987

■ 12.5094, 14.7802,
7.0743

■ 10.8931, 14.0490,
2.3875

■ 13.0120, 14.9989,
8.9204

■ 10.7357, 13.9733,
2.1313

■ 13.5833, 15.2455,
11.1162

■ 14.2266, 15.5210,
13.6787

■ 14.9447, 15.8268,
16.6236

■ 15.7406, 16.1639,
19.9656

■ 16.6169, 16.5335,
23.7187

■ 17.5761, 16.9365,
27.8963

Harmonies

Analogous

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



14.7576, 14.4196, 4.0109



11.6959, 14.4196, 4.3573



9.5282, 14.4196, 6.9800

Triad

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



11.6959, 14.4196, 4.3573



10.1683, 14.4196, 33.3380



20.6378, 14.4196, 18.8272

Complementary

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



11.6959, 14.4196, 4.3573



5.0131, 3.4821, 15.4476

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.



18.9537, 14.4196, 29.7028



11.6959, 14.4196, 4.3573



12.7044, 14.4196, 39.9733

Square

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



11.6959, 14.4196, 4.3573



8.7452, 14.4196, 22.5758



15.9328, 14.4196, 38.4336



20.2564, 14.4196, 10.3854

Rectangle

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



11.6959, 14.4196, 4.3573



8.7284, 14.4196, 10.5209



15.9328, 14.4196, 38.4336



20.2857, 14.4196, 22.3502

Sweetspot

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



11.6962, 14.4203, 4.3576



24.6137, 27.4234, 21.0526



8.0681, 5.7353, 2.8725



5.8533, 6.5626, 4.8214



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



11.6962, 14.4203, 4.3576



20.1292, 25.4501, 5.5477



8.5999, 12.8240, 4.2127



3.6057, 3.8976, 3.6356



12.6363, 16.4580, 2.5107



62.4798, 81.7436, 12.4851

Inverse Universe

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



5.0131, 3.4821, 15.4476



7.0447, 3.9899, 27.3286



7.3003, 4.6612, 15.5547



3.2503, 3.3173, 4.2232



3.5606, 1.4450, 17.8129



17.3405, 6.9937, 88.7151

Previews

White Background



This preview shows how the XYZ color 11.6959, 14.4196, 4.3573 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 11.6959, 14.4196, 4.3573 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 11.6959, 14.4196, 4.3573

Background



This preview shows how black text looks on a background with the XYZ color 11.6959, 14.4196, 4.3573.



This preview shows how white text looks on a background with the XYZ color 11.6959, 14.4196,

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

11.6959, 14.4196, 4.3573

Protanopia

13.0255, 14.3197, 4.1753

Deuteranopia

14.4874, 14.3221, 4.4835



Tritanopia

14.3054, 14.3855, 17.3519

Trichromacy



Original Color

11.6959, 14.4196, 4.3573

Protanomaly

12.5729, 14.3959, 4.2139

Deuteranomaly

13.3914, 14.3499, 4.4469

Tritanomaly

13.0414, 14.3293, 11.0953

Monochromacy



Original Color

11.6959, 14.4196, 4.3573

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

11.9790, 13.5071, 9.5652

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.6959, 14.4196, 4.3573 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(103, 111, 42)` looks like.

```
.text, #text, p{  
    color:rgb(103, 111, 42)  
}
```

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(103, 111, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 111, 42) }
```

Border

The CSS property to change the border of an element to XYZ 11.6959, 14.4196, 4.3573 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(103, 111, 42) }
```


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

```
.border{ border-color:rgb(103, 111, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 111, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 111, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 111, 42);  
box-shadow:4px 4px 4px 4px rgb(103, 111,  
42) }
```

Background

The CSS property to change the background color of an element to XYZ 11.6959, 14.4196, 4.3573 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 111, 42) }
```

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

```
.background{ background-color: rgb(103,  
111, 42) }
```

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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