

Converting Colors

XYZ(14.4605, 11.4506, 40.4657)

Have a look what the booklet for
XYZ(14.4605, 11.4506, 40.4657)
contains.

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Color

**XYZ(14.4412, 11.4069,
40.4703)**

Conversions

Conversions Part 1

Format	Color
Hex	5555AC
RGB	85, 85, 172
RGB Percent	33%, 33%, 67%
CMY	0.6667, 0.6667, 0.3255
CMYK	0.51, 0.51, 0.00, 0.33
HSL	240°, 34%, 50%
HSV	240°, 51%, 67%
XYZ	14.4412, 11.4069, 40.4703
YIQ	94.9180, -27.9270, 27.0570

Conversions

Conversions Part 2

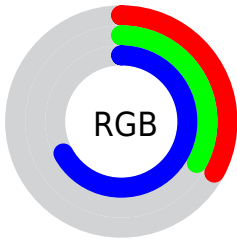
Format	Color
R _Y B	85, 85, 172
Decimal	5592492
CIE Lab	40.26, 24.31, -46.80
CIE LCh	40, 52.742, 297.452
Yxy	11.4069, 0.2178, 0.1720
Android (android.graphics.Color)	4283782572 (0xFF5555AC)
YUV	94.9180, 38.0014, -8.6981
Hunter-Lab	33.7741, 17.2187, -47.4032

Details

The XYZ color **14.4412, 11.4069, 40.4703** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **33.4052, 38.9316, 14.3485**, and the grayscale version is **10.7749, 11.3360, 12.3449**.

A 20% lighter version of the original color is **33.4828, 28.5048, 77.1360**, and **4.4895, 3.0562, 17.8060** is the 20% darker color. If you saturate the color by 10%, you get **11.8718, 8.3108, 40.0083**, and if you desaturate by 10%, it is **17.7202, 15.3577, 41.0603**.

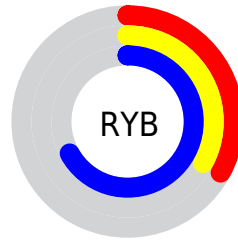
Distribution



Red (33%)

Green (33%)

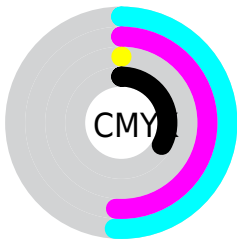
Blue (67%)



Red (33%)

Yellow (33%)

Blue (67%)

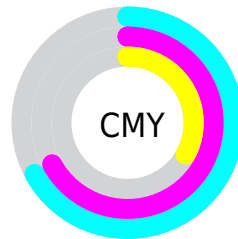


Cyan (51%)

Magenta (51%)

Yellow (0%)

Black (33%)



Cyan (67%)

Magenta (67%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.4412, 11.4069, 40.4703 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 14.4412, 11.4069, 40.4703 by changing the saturation by 10% instead.

■ 14.4412, 11.4069,
40.4703

■ 14.4412, 11.4069,
40.4703

213.4147,
200.4382, 363.7127

■ 8.5119, 6.3412,
27.5888

■ 33.4496, 28.4102,
77.1240

■ 4.4788, 3.0537,
17.7796

■ 47.2595, 41.1166,
101.7334

■ 1.9764, 1.1598,
10.6241

■ 64.4268, 57.1386,
131.0892

■ 0.6206, 0.0285,
5.7037

■ 85.3172, 76.8608,
165.6099

■ 0.0000, 0.0000,
2.5999

■ 110.2957,
100.6675, 205.7140

■ 0.0000, 0.0000,
0.8924

139.7280,

■ 0.0000, 0.0000,

128.9430, 251.8202

0.0000

173.9791,
162.0718, 304.3469

■ 14.4412, 11.4069,
40.4703

■ 14.4412, 11.4069,
40.4703

■ 11.8718, 8.3108,
40.0083

■ 17.7202, 15.3577,
41.0603

■ 9.9583, 6.0051,
39.6642

■ 21.7543, 20.2185,
41.7859

■ 8.6417, 4.4188,
39.4274

■ 26.5870, 26.0417,
42.6552

■ 7.8519, 3.4671,
39.2853

■ 32.2581, 32.8750,
43.6752

■ 7.4465, 2.9786,
39.2124

■ 38.8046, 40.7632,
44.8528

■ 46.2615, 49.7482,
46.1941

■ 54.6616, 59.8699,
47.7050

■ 64.0363, 71.1660,
49.3913

■ 74.4156, 83.6725,
51.2582

Harmonies

Analogous

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



10.5304, 11.4069, 45.6468



14.4412, 11.4069, 40.4703



17.9654, 11.4069, 26.8203

Triad

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



14.4412, 11.4069, 40.4703



15.1108, 11.4069, 1.9737



5.1989, 11.4069, 11.5410

Complementary

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



14.4412, 11.4069, 40.4703



33.4052, 38.9316, 14.3485

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.



5.9051, 11.4069, 4.3977



14.4412, 11.4069, 40.4703



11.1595, 11.4069, 1.1837

Square

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



14.4412, 11.4069, 40.4703



18.4094, 11.4069, 5.2257



7.8967, 11.4069, 1.7210



5.6978, 11.4069, 24.2974

Rectangle

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



14.4412, 11.4069, 40.4703



19.3172, 11.4069, 17.3625



7.8967, 11.4069, 1.7210



5.2988, 11.4069, 8.5179

Sweetspot

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



14.4417, 11.4073, 40.4706



53.5038, 53.5946, 78.3306



25.9455, 34.4151, 44.3052



11.1774, 11.1048, 16.9420



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



14.4417, 11.4073, 40.4706



20.9381, 14.3551, 72.4730



19.6727, 14.1039, 40.7154



7.5789, 7.7572, 10.0505



5.5414, 2.2166, 29.1803



0.1542, 0.0617, 0.8118

Inverse Universe

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



27.7082, 18.2464, 41.0904



47.8231, 28.2149, 73.7288



25.3700, 34.7892, 13.9725



8.3371, 8.1481, 10.0860



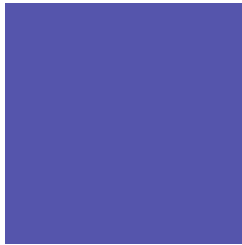
18.2017, 8.7432, 29.7712



0.5064, 0.2432, 0.8282

Previews

White Background



This preview shows how the XYZ color 14.4412, 11.4069, 40.4703 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 14.4412, 11.4069, 40.4703 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

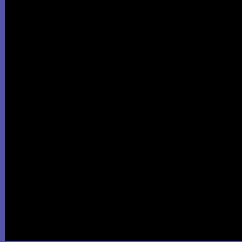
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 14.4412, 11.4069, 40.4703

Background



This preview shows how black text looks on a background with the XYZ color 14.4412, 11.4069, 40.4703.



This preview shows how white text looks on a background with the XYZ color 14.4412, 11.4069,

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

14.4412, 11.4069, 40.4703

Protanopia

13.1361, 11.5133, 44.1778

Deuteranopia

11.6536, 11.3897, 39.1203



Tritanopia

9.4439, 11.3209, 15.8748

Trichromacy



Original Color

14.4412, 11.4069, 40.4703

Protanomaly

13.3333, 11.2714, 42.5472

Deuteranomaly

12.1216, 11.0920, 39.5323

Tritanomaly

10.8614, 11.2008, 23.0622

Monochromacy



Original Color

14.4412, 11.4069, 40.4703

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

11.6306, 11.1364, 20.2754

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.4412, 11.4069, 40.4703 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(85, 85, 172)` looks like.

```
.text, #text, p{  
    color:rgb(85, 85, 172)  
}
```

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(85, 85, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 85, 172) }
```

Border

The CSS property to change the border of an element to XYZ 14.4412, 11.4069, 40.4703 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(85, 85, 172) }
```


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

```
.border{ border-color:rgb(85, 85, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 85, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 85, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 85, 172);  
box-shadow:4px 4px 4px 4px rgb(85, 85,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 14.4412, 11.4069, 40.4703 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 85, 172) }
```

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

```
.background{ background-color: rgb(85, 85,  
172) }
```

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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