

Converting Colors

XYZ(11.4996, 13.2640, 16.2826)

Have a look what the booklet for
XYZ(11.4996, 13.2640, 16.2826)
contains.

XYZ(11.5705, 13.2970, 16.4247)	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(11.5705, 13.2970,
16.4247)**

Conversions

Conversions Part 1

Format	Color
Hex	546A6D
RGB	84, 106, 109
RGB Percent	33%, 42%, 43%
CMY	0.6706, 0.5843, 0.5725
CMYK	0.23, 0.03, 0.00, 0.57
HSL	187°, 13%, 38%
HSV	187°, 23%, 43%
XYZ	11.5705, 13.2970, 16.4247
YIQ	99.7640, -14.0750, -3.7310

Conversions

Conversions Part 2

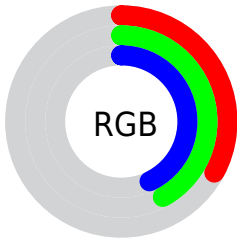
Format	Color
R_{YB}	84, 96, 109
Decimal	5532269
CIE Lab	43.21, -7.40, -4.38
CIE LCh	43, 8.601, 210.641
Yxy	13.2970, 0.2802, 0.3220
Android (android.graphics.Color)	4283722349 (0xFF546A6D)
YUV	99.7640, 4.5533, -13.8250
Hunter-Lab	36.4651, -7.1751, -1.1800

Details

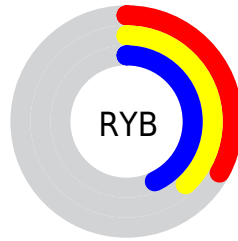
The XYZ color **11.5705, 13.2970, 16.4247** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.3152, 10.7077, 9.8582**, and the grayscale version is **12.0447, 12.6719, 13.7997**.

A 20% lighter version of the original color is **28.2337, 31.7203, 37.8923**, and **3.2328, 3.8878, 5.1375** is the 20% darker color. If you saturate the color by 10%, you get **10.5362, 12.5657, 16.3383**, and if you desaturate by 10%, it is **12.7595, 14.1118, 16.5195**.

Distribution



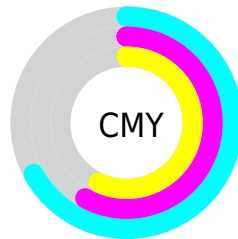
- Red (33%)
- Green (42%)
- Blue (43%)



- Red (33%)
- Yellow (38%)
- Blue (43%)



- Cyan (23%)
- Magenta (3%)
- Yellow (0%)
- Black (57%)



- Cyan (67%)
- Magenta (58%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.5705, 13.2970, 16.4247 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 11.5705, 13.2970, 16.4247 by changing the saturation by 10% instead.

■ 11.5705, 13.2970,
16.4247

■ 11.5705, 13.2970,
16.4247

■ 195.3693,
212.8124, 243.7656

■ 6.5220, 7.6334,
9.6676

■ 28.3341, 31.8363,
38.1109

■ 3.2087, 3.8613,
5.0764

■ 40.7800, 45.4808,
53.8772

■ 1.2651, 1.5963,
2.2326

■ 56.4223, 62.5544,
73.4835

■ 0.1568, 0.3551,
0.6931

■ 75.6266, 83.4415,
97.3484

■ 0.0000, 0.0000,
0.0000

■ 98.7580, 108.5264,
125.8906

126.1821,

138.1936, 159.5285

158.2641,
172.8275, 198.6806

■ 11.5705, 13.2970,
16.4247

■ 11.5705, 13.2970,
16.4247

■ 10.5362, 12.5657,
16.3383

■ 12.7595, 14.1118,
16.5195

■ 9.6485, 11.9126,
16.2590

■ 14.1085, 15.0119,
16.6222

■ 8.9001, 11.3343,
16.1868

■ 15.6242, 16.0009,
16.7332

■ 8.2827, 10.8266,
16.1214

■ 17.3124, 17.0820,
16.8529

■ 7.7874, 10.3848,
16.0622

■ 19.1786, 18.2579,
16.9815

■ 7.4037, 10.0036,
16.0088

■ 21.2282, 19.5315,
17.1193

■ 7.1177, 9.6757,
15.9606

■ 23.4662, 20.9054,
17.2665

■ 6.9366, 9.4566,
15.9279

■ 25.8976, 22.3821,
17.4234

■ 28.5270, 23.9640,
17.5902

Harmonies

Analogous

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



11.4032, 13.2970, 14.5192



11.5705, 13.2970, 16.4247



12.0222, 13.2970, 17.9079

Triad

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



11.5705, 13.2970, 16.4247



13.7852, 13.2970, 16.3476



12.6241, 13.2970, 11.1183

Complementary

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



11.5705, 13.2970, 16.4247



11.3152, 10.7077, 9.8582

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.



13.2753, 13.2970, 11.5169



11.5705, 13.2970, 16.4247



13.9598, 13.2970, 14.4372

Square

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



11.5705, 13.2970, 16.4247



13.3010, 13.2970, 17.8608



13.7701, 13.2970, 12.6919



11.9982, 13.2970, 11.5521

Rectangle

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



11.5705, 13.2970, 16.4247



12.4317, 13.2970, 18.3978



13.7701, 13.2970, 12.6919



12.8473, 13.2970, 11.1590

Sweetspot

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



11.5709, 13.2975, 16.4250



24.1985, 26.1752, 29.6842



10.8419, 13.5091, 11.0353



5.6112, 6.0778, 6.9062



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

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



11.5709, 13.2975, 16.4250



19.6043, 23.0280, 29.3188



10.3825, 10.9207, 16.0289



3.1524, 3.4331, 3.9314



8.1018, 11.0379, 18.6258



40.8632, 55.4049, 94.7667

Inverse Universe

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



12.0788, 10.6328, 15.0520



20.7128, 17.3208, 26.2980



12.4085, 12.8944, 10.2227



3.2027, 3.1580, 3.7978



9.8363, 4.7866, 13.2983



49.9086, 24.3054, 66.6468

Previews

White Background



This preview shows how the XYZ color 11.5705, 13.2970, 16.4247 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 11.5705, 13.2970, 16.4247 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

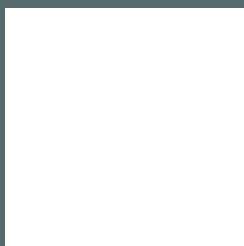
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 11.5705, 13.2970, 16.4247

Background



This preview shows how black text looks on a background with the XYZ color 11.5705, 13.2970, 16.4247.



This preview shows how white text looks on a background with the XYZ color 11.5705, 13.2970,

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

11.5705, 13.2970, 16.4247

Protanopia

12.7347, 13.1727, 15.5071

Deuteranopia

13.4607, 13.2376, 16.5975



Tritanopia

11.8352, 13.2494, 17.8532

Trichromacy



Original Color

11.5705, 13.2970, 16.4247

Protanomaly

12.2234, 13.1949, 15.8126

Deuteranomaly

12.7114, 13.2812, 16.6454

Tritanomaly

11.7225, 13.2043, 17.2601

Monochromacy



Original Color

11.5705, 13.2970, 16.4247

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

11.8156, 12.8617, 14.6918

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.5705, 13.2970, 16.4247 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(84, 106, 109) looks like.

```
.text, #text, p{  
    color:rgb(84, 106, 109)  
}
```

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(84, 106, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 106, 109) }
```

Border

The CSS property to change the border of an element to XYZ 11.5705, 13.2970, 16.4247 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(84, 106, 109) }
```


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

```
.border{ border-color:rgb(84, 106, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 106, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 106, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 106, 109);  
box-shadow:4px 4px 4px 4px rgb(84, 106,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 11.5705, 13.2970, 16.4247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 106, 109) }
```

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

```
.background{ background-color: rgb(84, 106,  
109) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor