

Converting Colors

XYZ(11.7205, 13.8110, 16.4987)

Have a look what the booklet for
XYZ(11.7205, 13.8110, 16.4987)
contains.

XYZ(11.7086, 13.8352, 16.5214)	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(11.7086, 13.8352,
16.5214)**

Conversions

Conversions Part 1

Format	Color
Hex	526D6D
RGB	82, 109, 109
RGB Percent	32%, 43%, 43%
CMY	0.6784, 0.5725, 0.5725
CMYK	0.25, 0.00, 0.00, 0.57
HSL	180°, 14%, 37%
HSV	180°, 25%, 43%
XYZ	11.7086, 13.8352, 16.5214
YIQ	100.9270, -16.0920, -5.7240

Conversions

Conversions Part 2

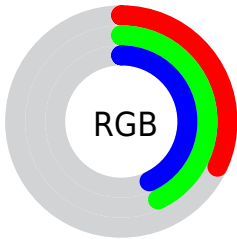
Format	Color
R_{YB}	82, 96, 109
Decimal	5401965
CIE _{Lab}	44.00, -9.82, -3.23
CIE _{LCh}	44, 10.335, 198.231
Yxy	13.8352, 0.2783, 0.3289
Android (android.graphics.Color)	4283592045 (0xFF526D6D)
YUV	100.9270, 3.9800, -16.5990
Hunter-Lab	37.1957, -8.9036, -0.2981

Details

The XYZ color **11.7086, 13.8352, 16.5214** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **10.8474, 9.8953, 9.3214**, and the grayscale version is **12.3441, 12.9870, 14.1428**.

A 20% lighter version of the original color is **28.6058, 32.9333, 38.1068**, and **3.2658, 4.0604, 5.1690** is the 20% darker color. If you saturate the color by 10%, you get **10.8351, 13.3853, 16.4807**, and if you desaturate by 10%, it is **12.7335, 14.3639, 16.5698**.

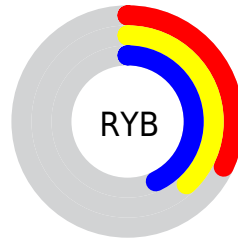
Distribution



Red (32%)

Green (43%)

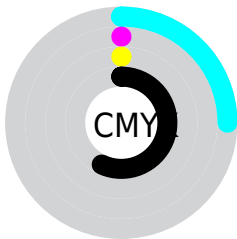
Blue (43%)



Red (32%)

Yellow (38%)

Blue (43%)

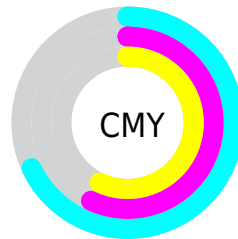


Cyan (25%)

Magenta (0%)

Yellow (0%)

Black (57%)



Cyan (68%)

Magenta (57%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.7086, 13.8352, 16.5214 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 11.7086, 13.8352, 16.5214 by changing the saturation by 10% instead.

■ 11.7086, 13.8352,
16.5214

■ 11.7086, 13.8352,
16.5214

196.2761,
216.2032, 244.3489

■ 6.6164, 8.0061,
9.7355

■ 28.5847, 32.7963,
38.2803

■ 3.2675, 4.0989,
5.1207

■ 41.0994, 46.6972,
54.0905

■ 1.2968, 1.7290,
2.2582

■ 56.8188, 64.0574,
73.7458

■ 0.1808, 0.4423,
0.7077

■ 76.1085, 85.2614,
97.6649

■ 0.0000, 0.0000,
0.0000

■ 99.3336, 110.6936,
126.2661

126.8597,

140.7384, 159.9682

159.0521,
175.7801, 199.1896

■ 11.7086, 13.8352,
16.5214

■ 11.7086, 13.8352,
16.5214

■ 10.8351, 13.3853,
16.4807

■ 12.7335, 14.3639,
16.5698

■ 10.1048, 13.0088,
16.4464

■ 13.9152, 14.9731,
16.6252

■ 9.5103, 12.7023,
16.4184

■ 15.2604, 15.6666,
16.6883

■ 9.0433, 12.4616,
16.3965

■ 16.7749, 16.4473,
16.7593

■ 8.6944, 12.2817,
16.3800

■ 18.4645, 17.3183,
16.8385

■ 8.4532, 12.1573,
16.3686

■ 20.3343, 18.2822,
16.9261

■ 8.3004, 12.0786,
16.3613

■ 22.3895, 19.3418,
17.0224

■ 8.2290, 12.0418,
16.3579

■ 24.6352, 20.4994,
17.1277

■ 27.0758, 21.7576,
17.2420

Harmonies

Analogous

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



11.6661, 13.8352, 14.1619



11.7086, 13.8352, 16.5214



12.1274, 13.8352, 18.6890

Triad

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



11.7086, 13.8352, 16.5214



14.3612, 13.8352, 18.2766



13.4741, 13.8352, 11.0621

Complementary

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



11.7086, 13.8352, 16.5214



10.8474, 9.8953, 9.3214

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.



14.2284, 13.8352, 11.9412



11.7086, 13.8352, 16.5214



14.7546, 13.8352, 16.0040

Square

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



11.7086, 13.8352, 16.5214



13.6494, 13.8352, 19.7727



14.7050, 13.8352, 13.6953



12.6628, 13.8352, 11.1697

Rectangle

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



11.7086, 13.8352, 16.5214



12.5739, 13.8352, 19.6586



14.7050, 13.8352, 13.6953



13.7434, 13.8352, 11.2479

Sweetspot

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



11.7090, 13.8358, 16.5217



24.3772, 26.5326, 29.7436



10.5109, 13.3611, 10.0078



5.6548, 6.1651, 6.9207



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.



11.7090, 13.8358, 16.5217



19.9862, 24.2690, 29.5375



10.4187, 11.2550, 16.0919



3.1818, 3.4919, 3.9412



9.6246, 14.0839, 19.1319



49.0413, 71.7636, 97.4851

Inverse Universe

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



10.8474, 9.8953, 9.3214



18.1448, 15.8478, 14.1495



11.9268, 12.0543, 9.6810



3.0998, 3.1168, 3.2557



7.3765, 3.8027, 0.3454



37.5865, 19.3765, 1.7593

Previews

White Background



This preview shows how the XYZ color 11.7086, 13.8352, 16.5214 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 11.7086, 13.8352, 16.5214 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

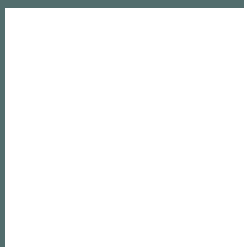
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 11.7086, 13.8352, 16.5214

Background



This preview shows how black text looks on a background with the XYZ color 11.7086, 13.8352, 16.5214.



This preview shows how white text looks on a background with the XYZ color 11.7086, 13.8352,

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

11.7086, 13.8352, 16.5214

Protanopia

13.2775, 13.7444, 15.5888

Deuteranopia

14.0785, 13.8346, 16.9672



Tritanopia

12.1711, 13.8709, 18.5589

Trichromacy



Original Color

11.7086, 13.8352, 16.5214

Protanomaly

12.6352, 13.7061, 15.8895

Deuteranomaly

13.0203, 13.7357, 16.7169

Tritanomaly

11.9105, 13.7564, 17.6503

Monochromacy



Original Color

11.7086, 13.8352, 16.5214

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.0651, 13.2798, 15.0241

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.7086, 13.8352, 16.5214 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(82, 109, 109) looks like.

```
.text, #text, p{  
    color:rgb(82, 109, 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(82, 109, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 109, 109) }
```

Border

The CSS property to change the border of an element to XYZ 11.7086, 13.8352, 16.5214 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(82, 109, 109) }
```


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

```
.border{ border-color:rgb(82, 109, 109) }
```

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

Here you see how a box with a 4 pixel rgb(82, 109, 109) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 109, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 109, 109);  
box-shadow:4px 4px 4px 4px rgb(82, 109,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 11.7086, 13.8352, 16.5214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 109, 109) }
```

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

```
.background{ background-color: rgb(82, 109,  
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