

Converting Colors

XYZ(11.4019, 13.7109, 16.6107)

Have a look what the booklet for
XYZ(11.4019, 13.7109, 16.6107)
contains.

XYZ(11.3708, 13.6611, 16.5055)	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(11.3708, 13.6611,
16.5055)**

Conversions

Conversions Part 1

Format	Color
Hex	4E6D6D
RGB	78, 109, 109
RGB Percent	31%, 43%, 43%
CMY	0.6941, 0.5725, 0.5725
CMYK	0.28, 0.00, 0.00, 0.57
HSL	180°, 17%, 37%
HSV	180°, 28%, 43%
XYZ	11.3708, 13.6611, 16.5055
YIQ	99.7310, -18.4760, -6.5720

Conversions

Conversions Part 2

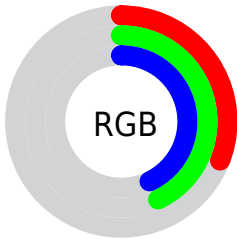
Format	Color
R_{YB}	78, 94, 109
Decimal	5139821
CIE _{Lab}	43.74, -11.14, -3.63
CIE _{LCh}	44, 11.721, 198.066
Yxy	13.6611, 0.2737, 0.3289
Android (android.graphics.Color)	4283329901 (0xFF4E6D6D)
YUV	99.7310, 4.5696, -19.0581
Hunter-Lab	36.9609, -9.7672, -0.6043

Details

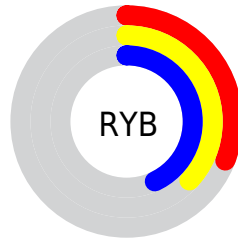
The XYZ color **11.3708, 13.6611, 16.5055** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **10.4067, 9.2504, 8.4452**, and the grayscale version is **12.0370, 12.6639, 13.7910**.

A 20% lighter version of the original color is **27.9921, 32.6170, 38.0781**, and **3.1033, 3.9766, 5.1614** is the 20% darker color. If you saturate the color by 10%, you get **10.5509, 13.2388, 16.4673**, and if you desaturate by 10%, it is **12.3396, 14.1609, 16.5513**.

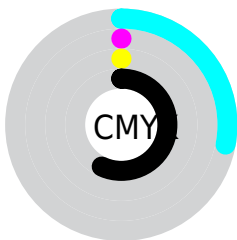
Distribution



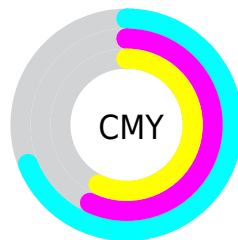
- Red (31%)
- Green (43%)
- Blue (43%)



- Red (31%)
- Yellow (37%)
- Blue (43%)



- Cyan (28%)
- Magenta (0%)
- Yellow (0%)
- Black (57%)



- Cyan (69%)
- Magenta (57%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.3708, 13.6611, 16.5055 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 11.3708, 13.6611, 16.5055 by changing the saturation by 10% instead.

■ 11.3708, 13.6611,
16.5055

■ 11.3708, 13.6611,
16.5055

194.0503,
215.1122, 244.2531

■ 6.3859, 7.8853,
9.7243

■ 27.9707, 32.4865,
38.2525

■ 3.1240, 4.0217,
5.1134

■ 40.3165, 46.3049,
54.0554

■ 1.2197, 1.6857,
2.2540

■ 55.8467, 63.5730,
73.7027

■ 0.1218, 0.4144,
0.7053

■ 74.9266, 84.6751,
97.6129

■ 0.0000, 0.0000,
0.0000

■ 97.9215, 109.9957,
126.2044

125.1969,

139.9192, 159.8960

157.1180,
174.8299, 199.1060

■ 11.3708, 13.6611,
16.5055

■ 11.3708, 13.6611,
16.5055

■ 10.5509, 13.2388,
16.4673

■ 12.3396, 14.1609,
16.5513

■ 9.8713, 12.8884,
16.4353

■ 13.4629, 14.7399,
16.6040

■ 9.3246, 12.6066,
16.4095

■ 14.7474, 15.4021,
16.6643

■ 8.9021, 12.3888,
16.3896

■ 16.1991, 16.1505,
16.7324

■ 8.5940, 12.2300,
16.3750

■ 17.8238, 16.9881,
16.8086

■ 8.3892, 12.1244,
16.3653

■ 19.6269, 17.9176,
16.8932

■ 8.2503, 12.0528,
16.3586

■ 21.6136, 18.9418,
16.9863

■ 8.2290, 12.0418,
16.3576

■ 23.7888, 20.0631,
17.0883

■ 26.1573, 21.2841,
17.1993

Harmonies

Analogous

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



11.3259, 13.6611, 13.8492



11.3708, 13.6611, 16.5055



11.8353, 13.6611, 18.9807

Triad

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



11.3708, 13.6611, 16.5055



14.3486, 13.6611, 18.5324



13.3545, 13.6611, 10.4393

Complementary

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



11.3708, 13.6611, 16.5055



10.4067, 9.2504, 8.4452

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.



14.2057, 13.6611, 11.4080



11.3708, 13.6611, 16.5055



14.7975, 13.6611, 15.9495

Square

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



11.3708, 13.6611, 16.5055



13.5421, 13.6611, 20.2429



14.7440, 13.6611, 13.3549



12.4424, 13.6611, 10.5507

Rectangle

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



11.3708, 13.6611, 16.5055



12.3334, 13.6611, 20.0994



14.7440, 13.6611, 13.3549



13.6580, 13.6611, 10.6442

Sweetspot

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



11.3712, 13.6617, 16.5058



23.9331, 26.3037, 29.7227



10.0285, 13.1295, 9.2136



5.5139, 6.0924, 6.9140



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.



11.3712, 13.6617, 16.5058



19.3766, 23.9548, 29.5087



9.9067, 10.7326, 16.0181



3.1818, 3.4919, 3.9411



9.6245, 14.0839, 19.1315



49.0408, 71.7634, 97.4827

Inverse Universe

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



10.4067, 9.2504, 8.4452



17.3495, 14.6841, 12.5686



11.5952, 11.6275, 8.8411



3.0998, 3.1168, 3.2557



7.3765, 3.8027, 0.3454



37.5865, 19.3766, 1.7594

Previews

White Background



This preview shows how the XYZ color 11.3708, 13.6611, 16.5055 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 11.3708, 13.6611, 16.5055 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

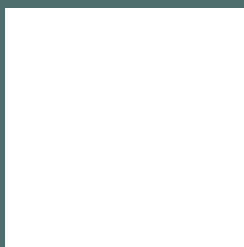
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 11.3708, 13.6611, 16.5055

Background



This preview shows how black text looks on a background with the XYZ color 11.3708, 13.6611, 16.5055.



This preview shows how white text looks on a background with the XYZ color 11.3708, 13.6611,

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

11.3708, 13.6611, 16.5055

Protanopia

13.1090, 13.6635, 15.3110

Deuteranopia

13.7331, 13.5133, 16.9234



Tritanopia

11.8232, 13.6916, 18.5426

Trichromacy



Original Color

11.3708, 13.6611, 16.5055

Protanomaly

12.3724, 13.5767, 15.6041

Deuteranomaly

12.7017, 13.4230, 16.6733

Tritanomaly

11.5676, 13.5796, 17.6342

Monochromacy



Original Color

11.3708, 13.6611, 16.5055

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

11.7121, 12.9551, 14.7153

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.3708, 13.6611, 16.5055 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(78, 109, 109)` looks like.

```
.text, #text, p{  
    color:rgb(78, 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(78, 109, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 109, 109) }
```

Border

The CSS property to change the border of an element to XYZ 11.3708, 13.6611, 16.5055 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(78, 109, 109) }
```


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

```
.border{ border-color:rgb(78, 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(78, 109, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 109, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 109, 109);  
box-shadow:4px 4px 4px 4px rgb(78, 109,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 11.3708, 13.6611, 16.5055 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 109, 109) }
```

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

```
.background{ background-color: rgb(78, 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