

Converting Colors

XYZ(12.0069, 13.8803, 16.2994)

Have a look what the booklet for
XYZ(12.0069, 13.8803, 16.2994)
contains.

XYZ(11.9998, 13.8341, 16.2251)	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(11.9998, 13.8341,
16.2251)**

Conversions

Conversions Part 1

Format	Color
Hex	576C6C
RGB	87, 108, 108
RGB Percent	34%, 42%, 42%
CMY	0.6588, 0.5765, 0.5765
CMYK	0.19, 0.00, 0.00, 0.58
HSL	180°, 11%, 38%
HSV	180°, 19%, 42%
XYZ	11.9998, 13.8341, 16.2251
YIQ	101.7210, -12.5160, -4.4520

Conversions

Conversions Part 2

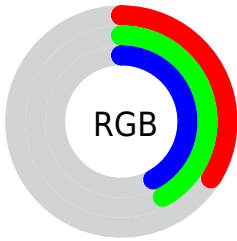
Format	Color
R_{YB}	87, 98, 108
Decimal	5729388
CIE _{Lab}	43.99, -7.76, -2.59
CIE _{LCh}	44, 8.186, 198.479
Yxy	13.8341, 0.2853, 0.3289
Android (android.graphics.Color)	4283919468 (0xFF576C6C)
YUV	101.7210, 3.0955, -12.9103
Hunter-Lab	37.1942, -7.5013, 0.1721

Details

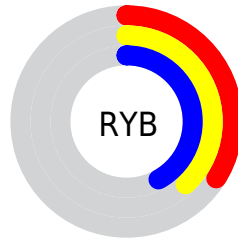
The XYZ color **11.9998, 13.8341, 16.2251** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.3133, 10.6930, 10.4851**, and the grayscale version is **12.5514, 13.2050, 14.3803**.

A 20% lighter version of the original color is **28.9727, 32.6178, 37.5697**, and **3.4255, 4.1458, 5.0346** is the 20% darker color. If you saturate the color by 10%, you get **11.0660, 13.3531, 16.1814**, and if you desaturate by 10%, it is **13.0853, 14.3940, 16.2765**.

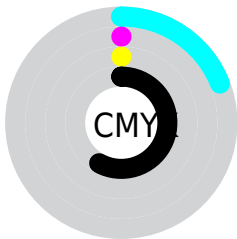
Distribution



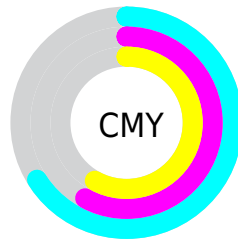
- Red (34%)
- Green (42%)
- Blue (42%)



- Red (34%)
- Yellow (38%)
- Blue (42%)



- Cyan (19%)
- Magenta (0%)
- Yellow (0%)
- Black (58%)



- Cyan (66%)
- Magenta (58%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.9998, 13.8341, 16.2251 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 11.9998, 13.8341, 16.2251 by changing the saturation by 10% instead.

■ 11.9998, 13.8341,
16.2251

■ 11.9998, 13.8341,
16.2251

198.1739,
216.1963, 242.5572

■ 6.8157, 8.0054,
9.5275

■ 29.1116, 32.7944,
37.7608

■ 3.3924, 4.0984,
4.9853

■ 41.7701, 46.6947,
53.4359

■ 1.3645, 1.7287,
2.1801

■ 57.6507, 64.0544,
72.9407

■ 0.2307, 0.4422,
0.6628

■ 77.1188, 85.2577,
96.6935

■ 0.0000, 0.0000,
0.0000

■ 100.5399,
110.6892, 125.1131

128.2792,

140.7332, 158.6179

160.7021,
175.7741, 197.6264

■ 11.9998, 13.8341,
16.2251

■ 11.9998, 13.8341,
16.2251

■ 11.0660, 13.3531,
16.1814

■ 13.0853, 14.3940,
16.2765

■ 10.2761, 12.9459,
16.1442

■ 14.3275, 15.0344,
16.3349

■ 9.6232, 12.6093,
16.1133

■ 15.7328, 15.7589,
16.4009

■ 9.0996, 12.3394,
16.0885

■ 17.3068, 16.5703,
16.4749

■ 8.6966, 12.1316,
16.0694

■ 19.0548, 17.4714,
16.5570

■ 8.4046, 11.9811,
16.0555

■ 20.9819, 18.4649,
16.6474

■ 8.2126, 11.8821,
16.0462

■ 23.0930, 19.5532,
16.7465

■ 8.0767, 11.8121,
16.0396

■ 25.3929, 20.7388,
16.8544

■ 8.0692, 11.8082,
16.0392

■ 27.8860, 22.0240,
16.9714

Harmonies

Analogous

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



11.9629, 13.8341, 14.3599



11.9998, 13.8341, 16.2251



12.3384, 13.8341, 17.9022

Triad

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



11.9998, 13.8341, 16.2251



14.1061, 13.8341, 17.5601



13.3999, 13.8341, 11.8236

Complementary

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



11.9998, 13.8341, 16.2251



11.3133, 10.6930, 10.4851

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.



13.9941, 13.8341, 12.5410



11.9998, 13.8341, 16.2251



14.4108, 13.8341, 15.7886

Square

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



11.9998, 13.8341, 16.2251



13.5486, 13.8341, 18.7157



14.3691, 13.8341, 13.9577



12.7571, 13.8341, 11.9194

Rectangle

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



11.9998, 13.8341, 16.2251



12.6961, 13.8341, 18.6407



14.3691, 13.8341, 13.9577



13.6123, 13.8341, 11.9751

Sweetspot

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



12.0002, 13.8347, 16.2254



23.6566, 25.6224, 28.6062



11.0465, 13.4570, 11.0322



5.7029, 6.1899, 6.9229



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.



12.0002, 13.8347, 16.2254



20.3499, 23.9177, 28.4506



10.9913, 11.8167, 15.8896



3.1818, 3.4919, 3.9411



9.6242, 14.0838, 19.1301



49.0394, 71.7628, 97.4749

Inverse Universe

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



11.3133, 10.6930, 10.4851



18.9257, 17.4033, 16.5478



12.1937, 12.4539, 10.7782



3.0998, 3.1168, 3.2557



7.3766, 3.8027, 0.3455



37.5866, 19.3766, 1.7597

Previews

White Background



This preview shows how the XYZ color 11.9998, 13.8341, 16.2251 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 11.9998, 13.8341, 16.2251 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 11.9998, 13.8341, 16.2251

Background



This preview shows how black text looks on a background with the XYZ color 11.9998, 13.8341, 16.2251.



This preview shows how white text looks on a background with the XYZ color 11.9998, 13.8341,

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

11.9998, 13.8341, 16.2251

Protanopia

13.2257, 13.7237, 15.3165

Deuteranopia

14.0237, 13.8127, 16.6788



Tritanopia

12.3767, 13.8279, 18.2364

Trichromacy



Original Color

11.9998, 13.8341, 16.2251

Protanomaly

12.6901, 13.7404, 15.6190

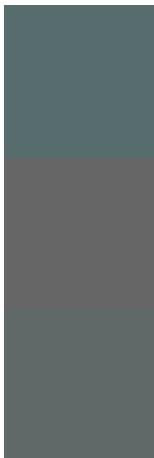
Deuteranomaly

13.1901, 13.8295, 16.4422

Tritanomaly

12.2068, 13.7599, 17.3418

Monochromacy



Original Color

11.9998, 13.8341, 16.2251

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.3788, 13.4415, 15.0387

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.9998, 13.8341, 16.2251 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(87, 108, 108)` looks like.

```
.text, #text, p{  
    color:rgb(87, 108, 108)  
}
```

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(87, 108, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 108, 108) }
```

Border

The CSS property to change the border of an element to XYZ 11.9998, 13.8341, 16.2251 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(87, 108, 108) }
```


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

```
.border{ border-color:rgb(87, 108, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 108, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 108, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 108, 108);  
box-shadow:4px 4px 4px 4px rgb(87, 108,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 11.9998, 13.8341, 16.2251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 108, 108) }
```

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

```
.background{ background-color: rgb(87, 108,  
108) }
```

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