

Converting Colors

XYZ(12.8714, 15.6061, 15.9696)

Have a look what the booklet for
XYZ(12.8714, 15.6061, 15.9696)
contains.

XYZ(12.8714, 15.6061, 15.9696)	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(12.8714, 15.6061,
15.9696)**

Conversions

Conversions Part 1

Format	Color
Hex	58746A
RGB	88, 116, 106
RGB Percent	35%, 45%, 42%
CMY	0.6549, 0.5451, 0.5843
CMYK	0.24, 0.00, 0.09, 0.55
HSL	159°, 14%, 40%
HSV	159°, 24%, 45%
XYZ	12.8714, 15.6061, 15.9696
YIQ	106.4880, -13.4780, -9.0460

Conversions

Conversions Part 2

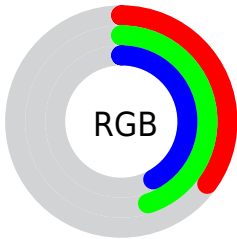
Format	Color
RYB	88, 105, 116
Decimal	5796970
CIELab	46.45, -12.43, 2.21
CIELCh	46, 12.627, 169.942
Yxy	15.6061, 0.2896, 0.3511
Android (android.graphics.Color)	4283987050 (0xFF58746A)
YUV	106.4880, -0.2406, -16.2140
Hunter-Lab	39.5046, -10.9740, 3.6854

Details

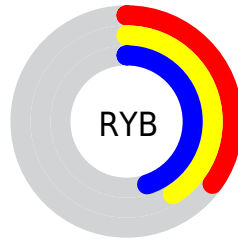
The XYZ color **12.8714, 15.6061, 15.9696** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **12.8973, 11.5746, 13.1102**, and the grayscale version is **13.8373, 14.5579, 15.8536**.

A 20% lighter version of the original color is **30.5697, 35.8429, 37.2055**, and **3.7710, 4.9214, 4.8889** is the 20% darker color. If you saturate the color by 10%, you get **11.6493, 15.0008, 14.8149**, and if you desaturate by 10%, it is **14.2795, 16.3069, 17.1880**.

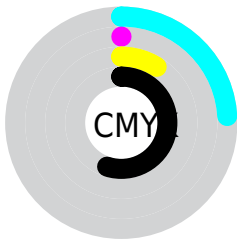
Distribution



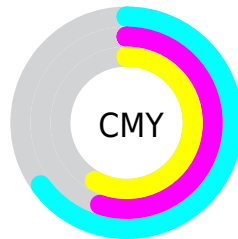
- Red (35%)
- Green (45%)
- Blue (42%)



- Red (35%)
- Yellow (41%)
- Blue (45%)



- Cyan (24%)
- Magenta (0%)
- Yellow (9%)
- Black (55%)



- Cyan (65%)
- Magenta (55%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.8714, 15.6061, 15.9696 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 12.8714, 15.6061, 15.9696 by changing the saturation by 10% instead.

■ 12.8714, 15.6061,
15.9696

■ 12.8714, 15.6061,
15.9696

203.7461,
227.0060, 241.0018

■ 7.4164, 9.2459,
9.3485

■ 30.6758, 35.9130,
37.3115

■ 3.7725, 4.9019,
4.8693

■ 43.7560, 50.6285,
52.8694

■ 1.5743, 2.1898,
2.1134

■ 60.1087, 68.8978,
72.2433

■ 0.3755, 0.7144,
0.6237

■ 80.0991, 91.1053,
95.8517

■ 0.0000, 0.0000,
0.0000

■ 104.0927,
117.6356, 124.1132

132.4549,

148.8728, 157.4464

165.5509,
185.2015, 196.2698

■ 12.8714, 15.6061,
15.9696

■ 12.8714, 15.6061,
15.9696

■ 11.6493, 15.0008,
14.8149

■ 14.2795, 16.3069,
17.1880

■ 10.6036, 14.4848,
13.7217

■ 15.8803, 17.1054,
18.4703

■ 9.7256, 14.0542,
12.6892

■ 17.6814, 18.0060,
19.8177

■ 9.0054, 13.7037,
11.7161

■ 19.6899, 19.0122,
21.2314

■ 8.4321, 13.4278,
10.8011

■ 21.9125, 20.1275,
22.7124

■ 7.9932, 13.2201,
9.9428

■ 24.3554, 21.3551,
24.2616

■ 7.6703, 13.0710,
9.1395

■ 27.0248, 22.6982,
25.8800

■ 7.5010, 12.9935,
8.6923

■ 29.9265, 24.1597,
27.5686

■ 33.0661, 25.7425,
29.3283

Harmonies

Analogous

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



13.2922, 15.6061, 13.4283



12.8714, 15.6061, 15.9696



12.9563, 15.6061, 19.1138

Triad

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



12.8714, 15.6061, 15.9696



15.5565, 15.6061, 23.2539



16.2174, 15.6061, 12.8154

Complementary

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



12.8714, 15.6061, 15.9696



12.8973, 11.5746, 13.1102

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.



16.8830, 15.6061, 15.0340



12.8714, 15.6061, 15.9696



16.4887, 15.6061, 21.1371

Square

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



12.8714, 15.6061, 15.9696



14.4716, 15.6061, 23.5840



16.9847, 15.6061, 18.0579



15.2007, 15.6061, 11.7599

Rectangle

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



12.8714, 15.6061, 15.9696



13.2897, 15.6061, 21.1263



16.9847, 15.6061, 18.0579



16.4917, 15.6061, 13.4363

Sweetspot

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



12.8718, 15.6067, 15.9700



27.0218, 29.6218, 31.7691



13.0732, 15.8076, 11.5948



6.4190, 7.0530, 7.5572



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



12.8718, 15.6067, 15.9700



21.3838, 26.8167, 26.9215



13.0010, 14.9835, 18.7307



3.7304, 4.1341, 4.4143



8.4085, 14.5774, 9.7071



40.5561, 70.8697, 45.0949

Inverse Universe

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



12.8973, 11.5746, 13.1102



21.4374, 18.4198, 20.9691



12.7685, 12.0261, 10.8810



3.7330, 3.7205, 4.1207



8.5321, 4.3466, 2.7444



41.2025, 21.0311, 11.3958

Previews

White Background



This preview shows how the XYZ color 12.8714, 15.6061, 15.9696 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 12.8714, 15.6061, 15.9696 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 12.8714, 15.6061, 15.9696

Background



This preview shows how black text looks on a background with the XYZ color 12.8714, 15.6061, 15.9696.

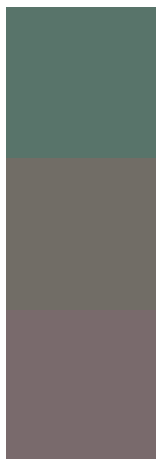


This preview shows how white text looks on a background with the XYZ color 12.8714, 15.6061,

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

12.8714, 15.6061, 15.9696

Protanopia

14.6770, 15.4073, 14.7707

Deuteranopia

15.7460, 15.4557, 16.3407



Tritanopia

13.9068, 15.6888, 21.0342

Trichromacy



Original Color

12.8714, 15.6061, 15.9696

Protanomaly

13.9513, 15.5107, 15.0905

Deuteranomaly

14.5364, 15.4646, 16.1287

Tritanomaly

13.5581, 15.7195, 19.1492

Monochromacy



Original Color

12.8714, 15.6061, 15.9696

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

13.3230, 14.8451, 15.7989

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8714, 15.6061, 15.9696 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(88, 116, 106) looks like.

```
.text, #text, p{  
    color:rgb(88, 116, 106)  
}
```

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(88, 116, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 116, 106) }
```

Border

The CSS property to change the border of an element to XYZ 12.8714, 15.6061, 15.9696 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(88, 116, 106) }
```


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

```
.border{ border-color:rgb(88, 116, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 116, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 116, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 116, 106);  
box-shadow:4px 4px 4px 4px rgb(88, 116,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 12.8714, 15.6061, 15.9696 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 116, 106) }
```

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

```
.background{ background-color: rgb(88, 116,  
106) }
```

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