

Converting Colors

XYZ(12.1884, 14.7068, 13.9286)

Have a look what the booklet for
XYZ(12.1884, 14.7068, 13.9286)
contains.

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Color

**XYZ(12.1661, 14.6130,
13.9838)**

Conversions

Conversions Part 1

Format	Color
Hex	597063
RGB	89, 112, 99
RGB Percent	35%, 44%, 39%
CMY	0.6510, 0.5608, 0.6118
CMYK	0.21, 0.00, 0.12, 0.56
HSL	146°, 11%, 39%
HSV	146°, 21%, 44%
XYZ	12.1661, 14.6130, 13.9838
YIQ	103.6410, -9.5350, -8.9190

Conversions

Conversions Part 2

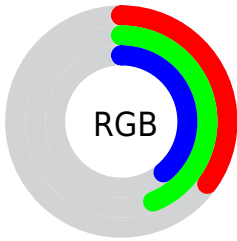
Format	Color
R_{YB}	89, 105, 112
Decimal	5861475
CIE _{Lab}	45.10, -11.38, 4.44
CIE _{LCh}	45, 12.210, 158.688
Yxy	14.6130, 0.2985, 0.3585
Android (android.graphics.Color)	4284051555 (0xFF597063)
YUV	103.6410, -2.2880, -12.8402
Hunter-Lab	38.2270, -10.0878, 5.0700

Details

The XYZ color **12.1661, 14.6130, 13.9838** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.6532, 11.5491, 14.1332**, and the grayscale version is **13.0703, 13.7509, 14.9748**.

A 20% lighter version of the original color is **29.4279, 34.2419, 33.9125**, and **3.4723, 4.4374, 4.0417** is the 20% darker color. If you saturate the color by 10%, you get **10.8812, 13.9846, 12.4054**, and if you desaturate by 10%, it is **13.6391, 15.3364, 15.6956**.

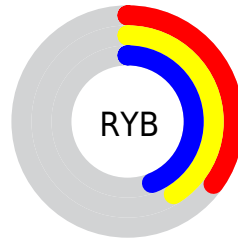
Distribution



Red (35%)

Green (44%)

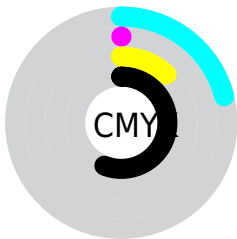
Blue (39%)



Red (35%)

Yellow (41%)

Blue (44%)

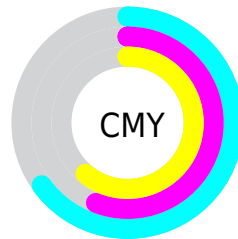


Cyan (21%)

Magenta (0%)

Yellow (12%)

Black (56%)



Cyan (65%)

Magenta (56%)

Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.1661, 14.6130, 13.9838 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 12.1661, 14.6130, 13.9838 by changing the saturation by 10% instead.

■ 12.1661, 14.6130,
13.9838

■ 12.1661, 14.6130,
13.9838

199.2494,
221.0117, 228.5550

■ 6.9299, 8.5482,
7.9708

■ 29.4115, 34.1728,
33.7770

■ 3.4642, 4.4477,
3.9887

■ 42.1514, 48.4367,
48.3942

■ 1.4038, 1.9270,
1.6192

■ 58.1233, 66.2023,
66.7167

■ 0.2589, 0.5645,
0.3044

■ 77.6925, 87.8542,
89.1628

■ 0.0000, 0.0000,
0.0000

■ 101.2243,
113.7767, 116.1511

129.0842,

144.3542, 148.1002

161.6374,
179.9710, 185.4287

■ 12.1661, 14.6130,
13.9838

■ 12.1661, 14.6130,
13.9838

■ 10.8812, 13.9846,
12.4054

■ 13.6391, 15.3364,
15.6956

■ 9.7753, 13.4454,
10.9560

■ 15.3064, 16.1568,
17.5427

■ 8.8403, 12.9917,
9.6329

■ 17.1755, 17.0783,
19.5286

■ 8.0670, 12.6189,
8.4324

■ 19.2530, 18.1044,
21.6561

■ 7.4452, 12.3216,
7.3509

■ 21.5452, 19.2381,
23.9280

■ 6.9637, 12.0943,
6.3847

■ 24.0582, 20.4827,
26.3470

■ 6.6093, 11.9301,
5.5295

■ 26.7978, 21.8410,
28.9157

■ 6.3424, 11.8080,
4.8170

■ 29.7697, 23.3159,
31.6367

■ 32.9793, 24.9102,
34.5125

Harmonies

Analogous

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



12.7163, 14.6130, 11.9715



12.1661, 14.6130, 13.9838



12.0657, 14.6130, 16.7615

Triad

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



12.1661, 14.6130, 13.9838



14.1831, 14.6130, 22.0308



15.4524, 14.6130, 12.6972

Complementary

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



12.1661, 14.6130, 13.9838



12.6532, 11.5491, 14.1332

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.



15.8877, 14.6130, 15.0899



12.1661, 14.6130, 13.9838



15.1321, 14.6130, 20.6321

Square

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



12.1661, 14.6130, 13.9838



13.1989, 14.6130, 21.6420



15.7678, 14.6130, 18.0078



14.6032, 14.6130, 11.2933

Rectangle

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



12.1661, 14.6130, 13.9838



12.2625, 14.6130, 18.7175



15.7678, 14.6130, 18.0078



15.6538, 14.6130, 13.4002

Sweetspot

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



12.1665, 14.6136, 13.9841



25.1995, 27.5509, 28.9636



13.0811, 15.1370, 11.6836



6.0218, 6.6031, 6.9224



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



12.1665, 14.6136, 13.9841



20.1768, 25.0858, 23.1174



12.7544, 14.8488, 17.0799



3.3997, 3.7851, 3.9110



7.3207, 13.6458, 5.5095



36.0503, 67.8087, 25.2478

Inverse Universe

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



12.6532, 11.5491, 14.1332



21.2080, 18.5912, 23.4323



12.1231, 11.3371, 11.3418



3.4561, 3.4301, 3.9284



8.7605, 4.3966, 5.8147



43.2009, 21.7257, 26.6540

Previews

White Background



This preview shows how the XYZ color 12.1661, 14.6130, 13.9838 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 12.1661, 14.6130, 13.9838 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 12.1661, 14.6130, 13.9838

Background



This preview shows how black text looks on a background with the XYZ color 12.1661, 14.6130, 13.9838.



This preview shows how white text looks on a background with the XYZ color 12.1661, 14.6130,

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

12.1661, 14.6130, 13.9838

Protanopia

13.8209, 14.5321, 13.1429

Deuteranopia

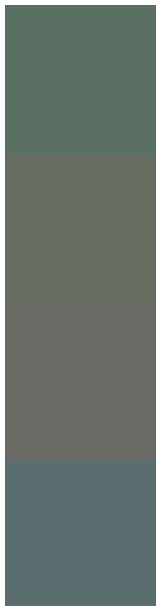
14.8070, 14.5620, 14.3423



Tritanopia

13.1523, 14.5206, 19.2491

Trichromacy



Original Color

12.1661, 14.6130, 13.9838

Protanomaly

13.1137, 14.4718, 13.4114

Deuteranomaly

13.6386, 14.4163, 14.1204

Tritanomaly

12.7596, 14.5237, 17.1698

Monochromacy



Original Color

12.1661, 14.6130, 13.9838

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

12.8016, 14.1273, 14.6225

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1661, 14.6130, 13.9838 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(89, 112, 99) looks like.

```
.text, #text, p{  
    color:rgb(89, 112, 99)  
}
```

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(89, 112, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 112, 99) }
```

Border

The CSS property to change the border of an element to XYZ 12.1661, 14.6130, 13.9838 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(89, 112, 99) }
```


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

```
.border{ border-color:rgb(89, 112, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 112, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 112, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 112, 99);  
box-shadow:4px 4px 4px 4px rgb(89, 112,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 12.1661, 14.6130, 13.9838 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 112, 99) }
```

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

```
.background{ background-color: rgb(89, 112,  
99) }
```

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](#).

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