

Converting Colors

XYZ(10.6945, 12.4986, 10.3343)

Have a look what the booklet for
XYZ(10.6945, 12.4986, 10.3343)
contains.

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Color

**XYZ(10.6669, 12.5142,
10.2408)**

Conversions

Conversions Part 1

Format	Color
Hex	5A6754
RGB	90, 103, 84
RGB Percent	35%, 40%, 33%
CMY	0.6471, 0.5961, 0.6706
CMYK	0.13, 0.00, 0.18, 0.60
HSL	101°, 10%, 37%
HSV	101°, 18%, 40%
XYZ	10.6669, 12.5142, 10.2408
YIQ	96.9470, -1.6490, -8.6650

Conversions

Conversions Part 2

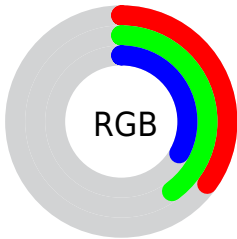
Format	Color
R_{YB}	84, 103, 97
Decimal	5924692
CIE Lab	42.02, -8.92, 9.08
CIE LCh	42, 12.729, 134.469
Yxy	12.5142, 0.3192, 0.3744
Android (android.graphics.Color)	4284114772 (0xFF5A6754)
YUV	96.9470, -6.3829, -6.0925
Hunter-Lab	35.3754, -8.0831, 7.5990

Details

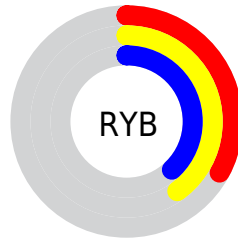
The XYZ color **10.6669, 12.5142, 10.2408** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **10.5488, 9.8617, 14.1801**, and the grayscale version is **11.3650, 11.9568, 13.0210**.

A 20% lighter version of the original color is **26.6739, 30.4079, 27.0177**, and **2.8191, 3.5103, 2.4484** is the 20% darker color. If you saturate the color by 10%, you get **9.6395, 12.0282, 8.2394**, and if you desaturate by 10%, it is **11.8193, 13.0586, 12.5583**.

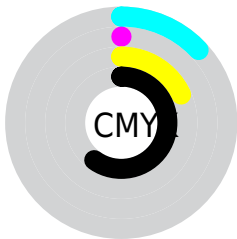
Distribution



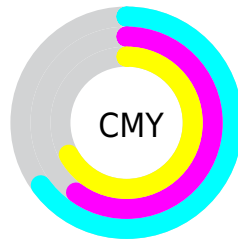
- Red (35%)
- Green (40%)
- Blue (33%)



- Red (33%)
- Yellow (40%)
- Blue (38%)



- Cyan (13%)
- Magenta (0%)
- Yellow (18%)
- Black (60%)



- Cyan (65%)
- Magenta (60%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.6669, 12.5142, 10.2408 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 10.6669, 12.5142, 10.2408 by changing the saturation by 10% instead.

■ 10.6669, 12.5142,
10.2408

■ 10.6669, 12.5142,
10.2408

189.3237,
207.7803, 202.9290

■ 5.9090, 7.0949,
5.4512

■ 26.6810, 30.4282,
26.8623

■ 2.8299, 3.5215,
2.4510

■ 38.6678, 43.6917,
39.5313

■ 1.0645, 1.4097,
0.8140

■ 53.7950, 60.3387,
55.6639

■ 0.0000, 0.2238,
0.0000

■ 72.4279, 80.7536,
75.6786

■ 0.0000, 0.0000,
0.0000

■ 94.9319, 105.3209,
99.9939

121.6723,

134.4248, 129.0284

153.0144,
168.4498, 163.2006

■ 10.6669, 12.5142,
10.2408

■ 10.6669, 12.5142,
10.2408

■ 9.6395, 12.0282,
8.2394

■ 11.8193, 13.0586,
12.5583

■ 8.7318, 11.5969,
6.5397

■ 13.1000, 13.6615,
15.2039

■ 7.9394, 11.2189,
5.1273

■ 14.5131, 14.3254,
18.1902

■ 7.2575, 10.8918,
3.9861

■ 16.0625, 15.0518,
21.5284

■ 6.6805, 10.6134,
3.0989

■ 17.7517, 15.8425,
25.2298

■ 6.2026, 10.3810,
2.4460

■ 19.5844, 16.6990,
29.3046

■ 5.8173, 10.1918,
2.0052

■ 21.5637, 17.6227,
33.7631

■ 5.5063, 10.0380,
1.6932

■ 23.6931, 18.6153,
38.6148

■ 5.4625, 10.0164,
1.6455

■ 25.9755, 19.6780,
43.8691

Harmonies

Analogous

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



11.4463, 12.5142, 9.1844



10.6669, 12.5142, 10.2408



10.2289, 12.5142, 12.2800

Triad

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



10.6669, 12.5142, 10.2408



11.4147, 12.5142, 19.2769



13.7411, 12.5142, 12.3671

Complementary

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



10.6669, 12.5142, 10.2408



10.5488, 9.8617, 14.1801

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.



13.7315, 12.5142, 15.0665



10.6669, 12.5142, 10.2408



12.3540, 12.5142, 19.3083

Square

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



10.6669, 12.5142, 10.2408



10.6448, 12.5142, 17.6040



13.2126, 12.5142, 17.6850



13.2381, 12.5142, 10.2972

Rectangle

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



10.6669, 12.5142, 10.2408



10.1740, 12.5142, 14.0352



13.2126, 12.5142, 17.6850



13.7985, 12.5142, 13.2245

Sweetspot

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



10.6672, 12.5147, 10.2411



21.6632, 23.6176, 23.5096



11.4674, 12.0705, 10.1131



5.2619, 5.7511, 5.6878



52.6788, 55.4222, 60.3547



5.6320, 5.9254, 6.4527

Same Dimension

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



10.6672, 12.5147, 10.2411



18.3008, 22.0300, 16.7649



10.2469, 12.2819, 10.9515



2.8710, 3.1807, 3.0371



6.8379, 12.5838, 2.0685



34.8459, 65.2097, 10.7502

Inverse Universe

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



10.5488, 9.8617, 14.1801



18.0471, 16.3594, 25.1836



11.0412, 10.1353, 13.3092



2.8561, 2.8479, 3.5311



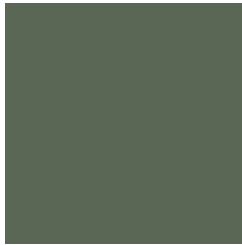
6.2647, 2.8738, 16.3688



31.7408, 14.5072, 85.3286

Previews

White Background



This preview shows how the XYZ color 10.6669, 12.5142, 10.2408 looks on a white background.

Color Contrast Check

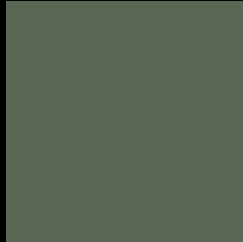
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.6669, 12.5142, 10.2408 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

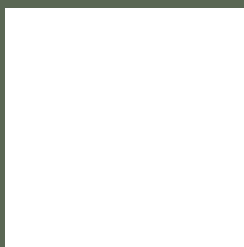
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 10.6669, 12.5142, 10.2408

Background



This preview shows how black text looks on a background with the XYZ color 10.6669, 12.5142, 10.2408.

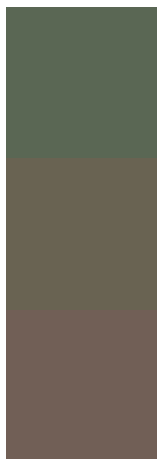


This preview shows how white text looks on a background with the XYZ color 10.6669, 12.5142,

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

10.6669, 12.5142, 10.2408

Protanopia

11.8105, 12.5361, 9.7799

Deuteranopia

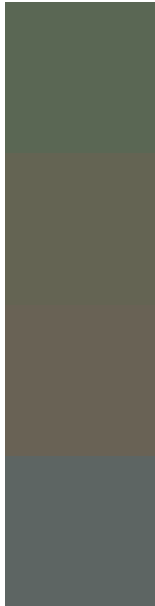
12.5820, 12.3670, 10.5280



Tritanopia

11.8800, 12.5767, 15.9888

Trichromacy



Original Color

10.6669, 12.5142, 10.2408

Protanomaly

11.3740, 12.4482, 9.9869

Deuteranomaly

11.8331, 12.3945, 10.3630

Tritanomaly

11.4200, 12.5354, 13.6220

Monochromacy



Original Color

10.6669, 12.5142, 10.2408

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

11.0097, 12.0761, 11.8759

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.6669, 12.5142, 10.2408 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(90, 103, 84) looks like.

```
.text, #text, p{  
    color:rgb(90, 103, 84)  
}
```

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(90, 103, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 103, 84) }
```

Border

The CSS property to change the border of an element to XYZ 10.6669, 12.5142, 10.2408 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(90, 103, 84) }
```


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

```
.border{ border-color:rgb(90, 103, 84) }
```

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

Here you see how a box with a 4 pixel rgb(90, 103, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 103, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 103, 84);  
box-shadow:4px 4px 4px 4px rgb(90, 103,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 10.6669, 12.5142, 10.2408 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 103, 84) }
```

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

```
.background{ background-color: rgb(90, 103,  
84) }
```

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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