

Converting Colors

XYZ(12.0644, 14.4192, 12.9738)

Have a look what the booklet for
XYZ(12.0644, 14.4192, 12.9738)
contains.

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Color

**XYZ(12.0644, 14.4192,
12.9738)**

Conversions

Conversions Part 1

Format	Color
Hex	5B6F5F
RGB	91, 111, 95
RGB Percent	36%, 44%, 37%
CMY	0.6431, 0.5647, 0.6274
CMYK	0.18, 0.00, 0.14, 0.56
HSL	132°, 10%, 40%
HSV	132°, 18%, 44%
XYZ	12.0644, 14.4192, 12.9738
YIQ	103.1960, -6.7840, -9.2160

Conversions

Conversions Part 2

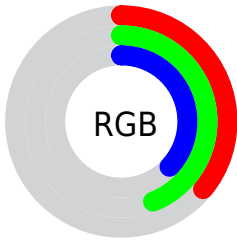
Format	Color
R_{YB}	91, 108, 111
Decimal	5992287
CIE _{Lab}	44.83, -10.91, 6.46
CIE _{LCh}	45, 12.679, 149.368
Yxy	14.4192, 0.3058, 0.3654
Android (android.graphics.Color)	4284182367 (0xFF5B6F5F)
YUV	103.1960, -4.0406, -10.6959
Hunter-Lab	37.9726, -9.7403, 6.3237

Details

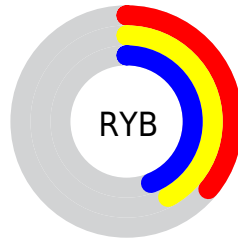
The XYZ color **12.0644, 14.4192, 12.9738** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.9510, 11.9236, 15.5295**, and the grayscale version is **12.9560, 13.6307, 14.8438**.

A 20% lighter version of the original color is **29.1925, 33.9014, 31.7931**, and **3.4141, 4.3347, 3.5625** is the 20% darker color. If you saturate the color by 10%, you get **10.6692, 13.7444, 10.9202**, and if you desaturate by 10%, it is **13.6684, 15.1971, 15.2781**.

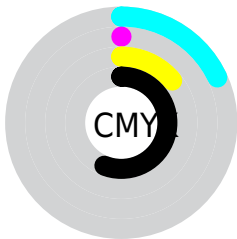
Distribution



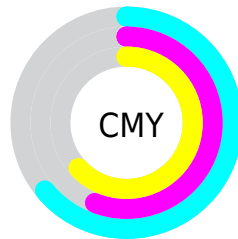
- Red (36%)
- Green (44%)
- Blue (37%)



- Red (36%)
- Yellow (42%)
- Blue (44%)



- Cyan (18%)
- Magenta (0%)
- Yellow (14%)
- Black (56%)



- Cyan (64%)
- Magenta (56%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.0644, 14.4192, 12.9738 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 12.0644, 14.4192, 12.9738 by changing the saturation by 10% instead.

■ 12.0644, 14.4192,
12.9738

■ 12.0644, 14.4192,
12.9738

198.5924,
219.8233, 221.9516

■ 6.8601, 8.4128,
7.2800

■ 29.2282, 33.8310,
31.9472

■ 3.4203, 4.3602,
3.5567

■ 41.9183, 48.0052,
46.0639

■ 1.3797, 1.8770,
1.3855

■ 57.8345, 65.6708,
63.8253

■ 0.2417, 0.5345,
0.1303

■ 77.3420, 87.2122,
85.6499

■ 0.0000, 0.0000,
0.0000

100.8061,
113.0137, 111.9563

128.5924,

143.4598, 143.1630

161.0660,
178.9349, 179.6886

■ 12.0644, 14.4192,
12.9738

■ 12.0644, 14.4192,
12.9738

■ 10.6692, 13.7444,
10.9202

■ 13.6684, 15.1971,
15.2781

■ 9.4729, 13.1665,
9.1078

■ 15.4880, 16.0804,
17.8401

■ 8.4666, 12.6817,
7.5281

■ 17.5313, 17.0733,
20.6679

■ 7.6405, 12.2850,
6.1717

■ 19.8057, 18.1795,
23.7687

■ 6.9836, 11.9710,
5.0283

■ 22.3180, 19.4024,
27.1496

■ 6.4838, 11.7336,
4.0872

■ 25.0750, 20.7453,
30.8176

■ 6.1274, 11.5661,
3.3365

■ 28.0830, 22.2115,
34.7790

■ 5.8766, 11.4493,
2.7620

■ 31.3483, 23.8039,
39.0403

■ 5.8314, 11.4280,
2.6676

■ 34.8767, 25.5254,
43.6076

Harmonies

Analogous

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



12.7529, 14.4192, 11.2421



12.0644, 14.4192, 12.9738



11.8115, 14.4192, 15.6374

Triad

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



12.0644, 14.4192, 12.9738



13.6831, 14.4192, 22.1100



15.5118, 14.4192, 13.0698

Complementary

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



12.0644, 14.4192, 12.9738



12.9510, 11.9236, 15.5295

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.



15.7908, 14.4192, 15.7629



12.0644, 14.4192, 12.9738



14.7034, 14.4192, 21.2037

Square

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



12.0644, 14.4192, 12.9738



12.7167, 14.4192, 21.1271



15.4880, 14.4192, 18.7837



14.7432, 14.4192, 11.2924

Rectangle

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



12.0644, 14.4192, 12.9738



11.9136, 14.4192, 17.6652



15.4880, 14.4192, 18.7837



15.6676, 14.4192, 13.8863

Sweetspot

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



12.0648, 14.4198, 12.9741



25.3733, 27.6480, 28.6311



13.6769, 15.2713, 12.1246



6.0544, 6.6222, 6.8199



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.



12.0648, 14.4198, 12.9741



20.4132, 25.2439, 21.4921



12.5320, 14.6067, 15.4343



3.3698, 3.7731, 3.7538



6.8630, 13.4627, 3.0992



33.9321, 66.9615, 14.0937

Inverse Universe

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



12.9510, 11.9236, 15.5295



22.3426, 19.8080, 27.0548



12.4703, 11.7314, 12.9984



3.4872, 3.4426, 4.0924



9.8309, 4.8247, 11.4513



48.6613, 23.9098, 55.4079

Previews

White Background



This preview shows how the XYZ color 12.0644, 14.4192, 12.9738 looks on a white background.

Color Contrast Check

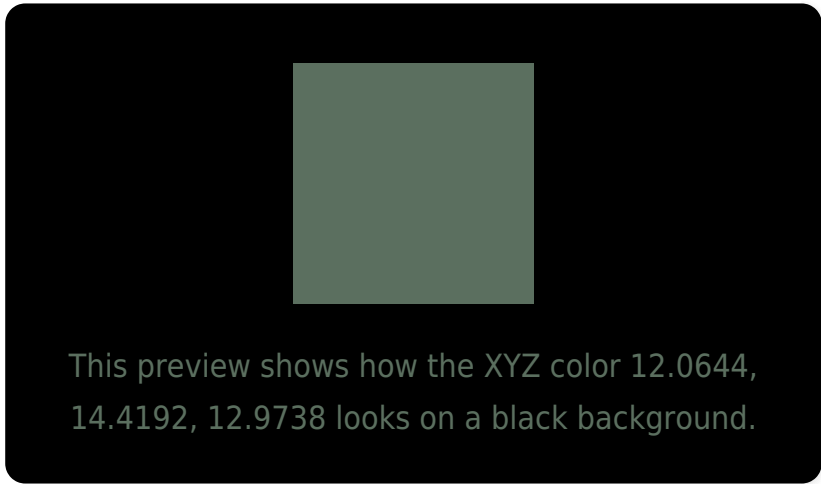
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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

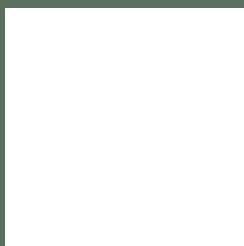
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.0644, 14.4192, 12.9738

Background



This preview shows how black text looks on a background with the XYZ color 12.0644, 14.4192, 12.9738.

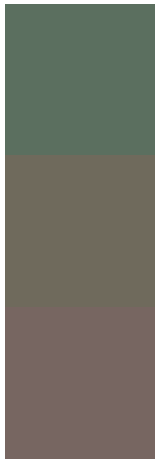


This preview shows how white text looks on a background with the XYZ color 12.0644, 14.4192,

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

12.0644, 14.4192, 12.9738

Protanopia

13.6413, 14.4603, 12.1974

Deuteranopia

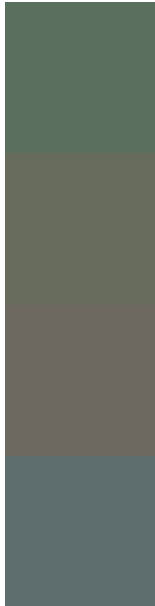
14.5168, 14.2877, 13.3020



Tritanopia

13.2928, 14.4424, 18.9167

Trichromacy



Original Color

12.0644, 14.4192, 12.9738

Protanomaly

13.0473, 14.4585, 12.4590

Deuteranomaly

13.4696, 14.1989, 13.0971

Tritanomaly

12.8450, 14.4211, 16.5745

Monochromacy



Original Color

12.0644, 14.4192, 12.9738

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.5999, 13.8808, 14.0718

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0644, 14.4192, 12.9738 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(91, 111, 95) looks like.

```
.text, #text, p{  
    color:rgb(91, 111, 95)  
}
```

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(91, 111, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 111, 95) }
```

Border

The CSS property to change the border of an element to XYZ 12.0644, 14.4192, 12.9738 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(91, 111, 95) }
```


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

```
.border{ border-color:rgb(91, 111, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 111, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 111, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 111, 95);  
box-shadow:4px 4px 4px 4px rgb(91, 111,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 12.0644, 14.4192, 12.9738 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 111, 95) }
```

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

```
.background{ background-color: rgb(91, 111,  
95) }
```

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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