

Converting Colors

XYZ(8.4735, 12.1662, 12.3934)

Have a look what the booklet for
XYZ(8.4735, 12.1662, 12.3934)
contains.

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Color

**XYZ(8.4651, 12.0912,
12.4773)**

Conversions

Conversions Part 1

Format	Color
Hex	2D6C5E
RGB	45, 108, 94
RGB Percent	18%, 42%, 37%
CMY	0.8235, 0.5765, 0.6314
CMYK	0.58, 0.00, 0.13, 0.58
HSL	167°, 41%, 30%
HSV	167°, 58%, 42%
XYZ	8.4651, 12.0912, 12.4773
YIQ	87.5670, -33.0540, -17.7100

Conversions

Conversions Part 2

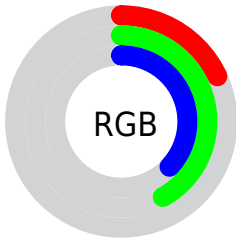
Format	Color
R_{YB}	45, 80, 108
Decimal	2976862
CIE _{Lab}	41.36, -23.96, 1.75
CIE _{LCh}	41, 24.019, 175.813
Yxy	12.0912, 0.2563, 0.3660
Android (android.graphics.Color)	4281166942 (0xFF2D6C5E)
YUV	87.5670, 3.1715, -37.3313
Hunter-Lab	34.7724, -17.3971, 3.0658




Details

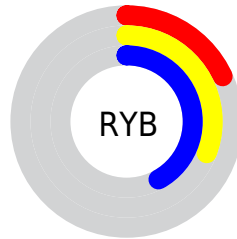
The XYZ color **8.4651, 12.0912, 12.4773** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **7.9125, 5.3809, 4.7596**, and the grayscale version is **9.1803, 9.6584, 10.5180**.




A 20% lighter version of the original color is **22.5346, 29.6966, 30.9299**, and **2.1494, 3.4451, 3.3480** is the 20% darker color. If you saturate the color by 10%, you get **7.9435, 11.8348, 11.8996**, and if you desaturate by 10%, it is **9.1124, 12.4126, 13.0790**.

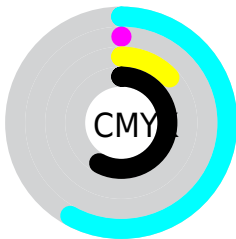
Distribution







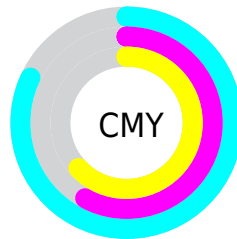
-  Red (18%)
-  Green (42%)
-  Blue (37%)






-  Red (18%)
-  Yellow (31%)
-  Blue (42%)



-  Cyan (58%)
-  Magenta (0%)
-  Yellow (13%)
-  Black (58%)



-  Cyan (82%)
-  Magenta (58%)
-  Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 8.4651, 12.0912, 12.4773 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 8.4651, 12.0912, 12.4773 by changing the saturation by 10% instead.

8.4651, 12.0912,
12.4773

8.4651, 12.0912,
12.4773

173.6288,
205.0081, 218.6289

4.4483, 6.8058,
6.9431

22.5421, 29.6611,
31.0388

1.9587, 3.3410,
3.3487

33.3330, 42.7144,
44.9032

0.6106, 1.3122,
1.2753

47.1126, 59.1258,
62.3814

0.0000, 0.1506,
0.0414

64.2462, 79.2797,
83.8920

0.0000, 0.0000,
0.0000

85.0993, 103.5605,
109.8535

110.0372,

132.3526, 140.6845

139.4253,
166.0403, 176.8034

■ 8.4651, 12.0912,
12.4773

■ 8.4651, 12.0912,
12.4773

■ 7.9435, 11.8348,
11.8996

■ 9.1124, 12.4126,
13.0790

■ 7.5370, 11.6372,
11.3443

■ 9.8929, 12.8019,
13.7042

■ 7.2351, 11.4930,
10.8111

■ 10.8147, 13.2637,
14.3539

■ 7.0013, 11.3836,
10.2980

■ 11.8849, 13.8016,
15.0285

■ 6.9630, 11.3657,
10.2142

■ 13.1102, 14.4190,
15.7284

■ 14.4969, 15.1192,
16.4541

■ 16.0508, 15.9052,
17.2061

■ 17.7775, 16.7800,
17.9846

■ 19.6823, 17.7461,
18.7902

Harmonies

Analogous

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



8.9384, 12.0912, 8.4775



8.4651, 12.0912, 12.4773



8.7332, 12.0912, 17.7994

Triad

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



8.4651, 12.0912, 12.4773



13.0133, 12.0912, 23.8260



13.4789, 12.0912, 6.7178

Complementary

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



8.4651, 12.0912, 12.4773



7.9125, 5.3809, 4.7596

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.



14.7788, 12.0912, 9.4145



8.4651, 12.0912, 12.4773



14.4916, 12.0912, 19.3241

Square

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



8.4651, 12.0912, 12.4773



11.2495, 12.0912, 25.2363



15.1668, 12.0912, 13.8781



11.7386, 12.0912, 5.7287

Rectangle

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



8.4651, 12.0912, 12.4773



9.3123, 12.0912, 21.3111



15.1668, 12.0912, 13.8781



13.9885, 12.0912, 7.4152

Sweetspot

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



8.4654, 12.0917, 12.4776



21.0411, 24.3182, 26.4885



7.6820, 11.8665, 4.3683



5.0233, 5.8510, 6.3697



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.



8.4654, 12.0917, 12.4776



13.6683, 20.6414, 20.5380



7.5475, 9.1574, 15.5577



3.1544, 3.4810, 3.7971



8.2946, 13.5519, 12.1284



41.9294, 68.9189, 60.0346

Inverse Universe

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



7.9125, 5.3809, 4.7596



12.6104, 7.6274, 5.6422



8.3701, 6.8014, 3.3544



3.1248, 3.1268, 3.3874



7.5637, 3.8776, 1.3311



38.2619, 19.6467, 5.3157

Previews

White Background



This preview shows how the XYZ color 8.4651, 12.0912, 12.4773 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 8.4651, 12.0912, 12.4773 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

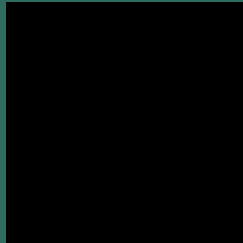
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 8.4651, 12.0912, 12.4773

Background



This preview shows how black text looks on a background with the XYZ color 8.4651, 12.0912, 12.4773.



This preview shows how white text looks on a background with the XYZ color 8.4651, 12.0912,

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

8.4651, 12.0912, 12.4773

Protanopia

11.4030, 12.0207, 10.9517

Deuteranopia

12.1042, 11.9326, 12.9745



Tritanopia

9.5050, 12.0481, 17.7441

Trichromacy



Original Color

8.4651, 12.0912, 12.4773

Protanomaly

9.8925, 11.7949, 11.4281

Deuteranomaly

10.2293, 11.6530, 12.7764

Tritanomaly

9.0745, 12.0226, 15.7522

Monochromacy



Original Color

8.4651, 12.0912, 12.4773

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

8.6102, 10.3003, 11.2072

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.4651, 12.0912, 12.4773 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(45, 108, 94)` looks like.

```
.text, #text, p{  
    color:rgb(45, 108, 94)  
}
```

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(45, 108, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 108, 94) }
```

Border

The CSS property to change the border of an element to XYZ 8.4651, 12.0912, 12.4773 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(45, 108, 94) }
```


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

```
.border{ border-color:rgb(45, 108, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 108, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 108, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 108, 94);  
box-shadow:4px 4px 4px 4px rgb(45, 108,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 8.4651, 12.0912, 12.4773 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 108, 94) }
```

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

```
.background{ background-color: rgb(45, 108,  
94) }
```

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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