

Converting Colors

XYZ(8.4253, 12.0059, 8.8905)

Have a look what the booklet for
XYZ(8.4253, 12.0059, 8.8905)
contains.

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Color

**XYZ(8.4009, 11.9810,
8.8910)**

Conversions

Conversions Part 1

Format	Color
Hex	3B6B4D
RGB	59, 107, 77
RGB Percent	23%, 42%, 30%
CMY	0.7686, 0.5804, 0.6980
CMYK	0.45, 0.00, 0.28, 0.58
HSL	142°, 29%, 33%
HSV	142°, 45%, 42%
XYZ	8.4009, 11.9810, 8.8910
YIQ	89.2280, -18.9780, -19.5060

Conversions

Conversions Part 2

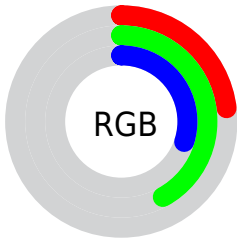
Format	Color
RYB	59, 94, 107
Decimal	3894093
CIELab	41.19, -23.77, 11.83
CIELCh	41, 26.548, 153.542
Yxy	11.9810, 0.2870, 0.4093
Android (android.graphics.Color)	4282084173 (0xFF3B6B4D)
YUV	89.2280, -6.0284, -26.5100
Hunter-Lab	34.6136, -17.2509, 9.0000

Details

The XYZ color **8.4009, 11.9810, 8.8910** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **9.4309, 6.9753, 10.3010**, and the grayscale version is **9.5623, 10.0602, 10.9556**.

A 20% lighter version of the original color is **22.4707, 29.5538, 24.2588**, and **1.9386, 3.2894, 1.9716** is the 20% darker color. If you saturate the color by 10%, you get **7.6065, 11.5977, 7.6840**, and if you desaturate by 10%, it is **9.3503, 12.4421, 10.2325**.

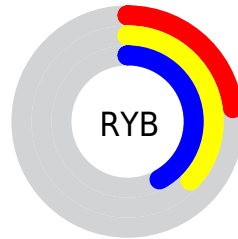
Distribution



 Red (23%)

 Green (42%)

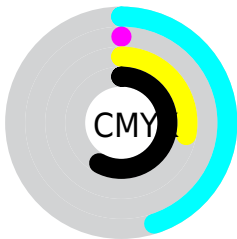
 Blue (30%)




 Red (23%)

 Yellow (37%)

 Blue (42%)

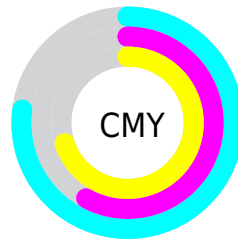


 Cyan (45%)


 Magenta (0%)

 Yellow (28%)

 Black (58%)



 Cyan (77%)

 Magenta (58%)

 Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 8.4009, 11.9810, 8.8910 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 8.4009, 11.9810, 8.8910 by changing the saturation by 10% instead.

■ 8.4009, 11.9810,
8.8910

■ 8.4009, 11.9810,
8.8910

173.1470,
204.2795, 192.7507

■ 4.4065, 6.7307,
4.5743

■ 22.4187, 29.4605,
24.2619

■ 1.9346, 3.2943,
1.9454

■ 33.1727, 42.4585,
36.1532

■ 0.5968, 1.2872,
0.5214

■ 46.9107, 58.8079,
51.4064

■ 0.0000, 0.1313,
0.0000

■ 63.9980, 78.8931,
70.4401

■ 0.0000, 0.0000,
0.0000

■ 84.7999, 103.0985,
93.6729

■ 109.6818,

131.8084, 121.5232

139.0090,
165.4072, 154.4096

■ 8.4009, 11.9810,
8.8910

■ 8.4009, 11.9810,
8.8910

■ 7.6065, 11.5977,
7.6840

■ 9.3503, 12.4421,
10.2325

■ 6.9574, 11.2862,
6.6066

■ 10.4617, 12.9834,
11.7118

■ 6.4443, 11.0423,
5.6545


■ 11.7430, 13.6094,
13.3330


■ 6.0562, 10.8602,
4.8230


■ 13.2011, 14.3235,
15.0997


■ 5.7732, 10.7299,
4.1068


■ 14.8426, 15.1290,
17.0156

 5.6430, 10.6699,
3.7807

 16.6737, 16.0291,
19.0841

 18.7004, 17.0267,
21.3085

 20.9282, 18.1248,
23.6919

 23.3628, 19.3260,
26.2376

Harmonies

Analogous

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



9.4731, 11.9810, 6.0859



8.4009, 11.9810, 8.8910



8.0958, 11.9810, 13.7072

Triad

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



8.4009, 11.9810, 8.8910



11.6164, 11.9810, 26.6427



14.7379, 11.9810, 8.0460

Complementary

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



8.4009, 11.9810, 8.8910



9.4309, 6.9753, 10.3010

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.



15.4690, 11.9810, 12.4050



8.4009, 11.9810, 8.8910



13.5441, 11.9810, 23.9469

Square

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



8.4009, 11.9810, 8.8910



9.8256, 11.9810, 24.9362



15.0095, 11.9810, 18.3260



13.1069, 11.9810, 5.7026

Rectangle

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



8.4009, 11.9810, 8.8910



8.3365, 11.9810, 17.7232



15.0095, 11.9810, 18.3260



15.1048, 11.9810, 9.2727

Sweetspot

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



8.4012, 11.9815, 8.8913



21.3960, 24.5493, 24.3290



10.2058, 12.9754, 6.1045



5.0736, 5.8906, 5.7589



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.



8.4012, 11.9815, 8.8913



13.5347, 20.7255, 13.6232



9.3911, 12.3775, 14.1040



3.1066, 3.4618, 3.5451



6.8507, 12.9744, 4.5248



34.5149, 65.9530, 20.9900

Inverse Universe

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



9.4309, 6.9753, 10.3010



15.6363, 10.4889, 16.4859



8.5935, 6.6403, 5.8910



3.1718, 3.1456, 3.6350



8.5895, 4.2879, 6.7329



43.3364, 21.6765, 32.0379

Previews

White Background



This preview shows how the XYZ color 8.4009, 11.9810, 8.8910 looks on a white background.

Color Contrast Check

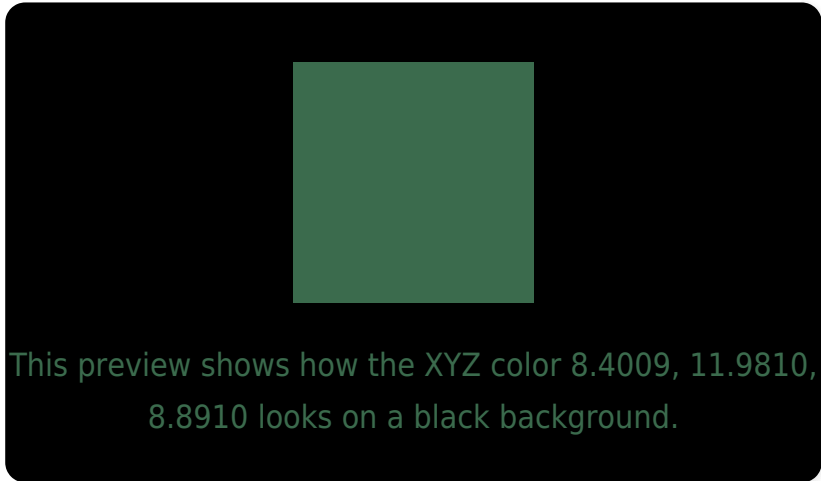
Large Text (above 18pt) WCAG AA ✓ Pass

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 8.4009, 11.9810, 8.8910

Background



This preview shows how black text looks on a background with the XYZ color 8.4009, 11.9810, 8.8910.



This preview shows how white text looks on a background with the XYZ color 8.4009, 11.9810,

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

8.4009, 11.9810, 8.8910

Protanopia

11.1533, 11.9603, 7.8516

Deuteranopia

12.0444, 11.8526, 9.2424



Tritanopia

10.0342, 12.0415, 16.8343

Trichromacy



Original Color

8.4009, 11.9810, 8.8910

Protanomaly

9.9142, 11.8765, 8.2484

Deuteranomaly

10.2932, 11.6270, 9.0989

Tritanomaly

9.3168, 11.8915, 13.6086

Monochromacy



Original Color

8.4009, 11.9810, 8.8910

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

8.9644, 10.6413, 10.1758

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.4009, 11.9810, 8.8910 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(59, 107, 77)` looks like.

```
.text, #text, p{  
    color:rgb(59, 107, 77)  
}
```

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(59, 107, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 107, 77) }
```

Border

The CSS property to change the border of an element to XYZ 8.4009, 11.9810, 8.8910 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(59, 107, 77) }
```


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

```
.border{ border-color:rgb(59, 107, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 107, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 107, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 107, 77);  
box-shadow:4px 4px 4px 4px rgb(59, 107,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 8.4009, 11.9810, 8.8910 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 107, 77) }
```

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

```
.background{ background-color: rgb(59, 107,  
77) }
```

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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