

Converting Colors

XYZ(8.3363, 12.8136, 5.9048)

Have a look what the booklet for
XYZ(8.3363, 12.8136, 5.9048)
contains.

XYZ(8.3363, 12.8136, 5.9048)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(8.3363, 12.8136,
5.9048)**

Conversions

Conversions Part 1

Format	Color
Hex	3B7039
RGB	59, 112, 57
RGB Percent	23%, 44%, 22%
CMY	0.7686, 0.5608, 0.7765
CMYK	0.47, 0.00, 0.49, 0.56
HSL	118°, 33%, 33%
HSV	118°, 49%, 44%
XYZ	8.3363, 12.8136, 5.9048
YIQ	89.8830, -13.9330, -28.3410

Conversions

Conversions Part 2

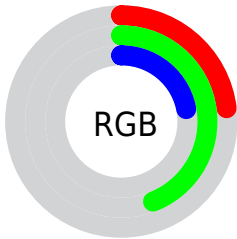
Format	Color
RYB	57, 112, 110
Decimal	3895353
CIELab	42.48, -29.92, 25.13
CIELCh	42, 39.073, 139.979
Yxy	12.8136, 0.3081, 0.4736
Android (android.graphics.Color)	4282085433 (0xFF3B7039)
YUV	89.8830, -16.2113, -27.0844
Hunter-Lab	35.7961, -21.0735, 15.2770

Details

The XYZ color **8.3363, 12.8136, 5.9048** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **10.8190, 7.4116, 16.1904**, and the grayscale version is **9.7296, 10.2363, 11.1474**.

A 20% lighter version of the original color is **22.2557, 30.8858, 18.1532**, and **1.8814, 3.6009, 0.9437** is the 20% darker color. If you saturate the color by 10%, you get **7.5124, 12.4180, 4.5653**, and if you desaturate by 10%, it is **9.3549, 13.3032, 7.5759**.

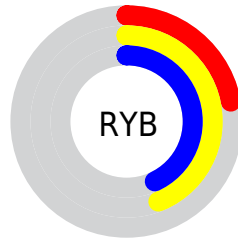
Distribution



Red (23%)

Green (44%)

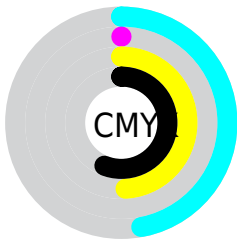
Blue (22%)



Red (22%)

Yellow (44%)

Blue (43%)

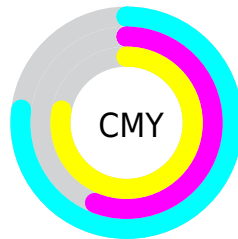


Cyan (47%)

Magenta (0%)

Yellow (49%)

Black (56%)



Cyan (77%)

Magenta (56%)

Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 8.3363, 12.8136, 5.9048 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 8.3363, 12.8136, 5.9048 by changing the saturation by 10% instead.

8.3363, 12.8136,
5.9048

8.3363, 12.8136,
5.9048

172.6606,
209.7196, 167.4950

4.3645, 7.3003,
2.7194

22.2943, 30.9685,
18.2072

1.9103, 3.6506,
0.9532

33.0112, 44.3789,
28.1613

0.5828, 1.4801,
0.0000

46.7072, 61.1905,
41.2088

0.0000, 0.2747,
0.0000

63.7476, 81.7876,
57.7681

0.0000, 0.0000,
0.0000

84.4977, 106.5547,
78.2579

109.3231,

135.8761, 103.0966

138.5889,
170.1363, 132.7028

■ 8.3363, 12.8136,
5.9048

■ 8.3363, 12.8136,
5.9048

■ 7.5124, 12.4180,
4.5653

■ 9.3549, 13.3032,
7.5759

■ 6.8698, 12.1089,
3.5344

■ 10.5784, 13.8904,
9.5977

■ 6.3952, 11.8803,
2.7879

■ 12.0176, 14.5809,
11.9888

■ 6.0728, 11.7246,
2.2973

■ 13.6821, 15.3792,
14.7665

■ 5.8629, 11.6236,
1.9633

■ 15.5810, 16.2897,
17.9467

■ 5.8454, 11.6152,
1.9339

■ 17.7229, 17.3165,
21.5445

■ 20.1161, 18.4635,
25.5744

■ 22.7681, 19.7344,
30.0501

■ 25.6866, 21.1327,
34.9845

Harmonies

Analogous

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



10.3446, 12.8136, 3.5860



8.3363, 12.8136, 5.9048



7.4099, 12.8136, 11.3155

Triad

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



8.3363, 12.8136, 5.9048



11.2198, 12.8136, 36.7944



18.3146, 12.8136, 9.1114

Complementary

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



8.3363, 12.8136, 5.9048



10.8190, 7.4116, 16.1904

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.



18.6506, 12.8136, 16.9688



8.3363, 12.8136, 5.9048



14.2183, 12.8136, 35.4209

Square

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



8.3363, 12.8136, 5.9048



8.8879, 12.8136, 30.4238



17.0513, 12.8136, 27.1973



16.1960, 12.8136, 4.8522

Rectangle

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



8.3363, 12.8136, 5.9048



7.4094, 12.8136, 16.9554



17.0513, 12.8136, 27.1973



18.6515, 12.8136, 11.3257

Sweetspot

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



8.3366, 12.8141, 5.9051



22.1498, 26.1122, 22.7918



12.9166, 14.7316, 6.0338



5.2101, 6.2199, 5.2900



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.



8.3366, 12.8141, 5.9051



13.0152, 21.7271, 7.7266



8.9955, 13.0643, 9.9808



3.3552, 3.7685, 3.6239



6.7529, 13.4250, 2.2354



33.4804, 66.7938, 11.1279

Inverse Universe

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



10.8190, 7.4116, 16.1904



17.9282, 11.0160, 28.1112



9.8763, 7.0636, 9.9138



3.5030, 3.4476, 4.2350



10.5168, 5.0310, 18.1384



52.2253, 24.9775, 90.3477

Previews

White Background



This preview shows how the XYZ color 8.3363, 12.8136, 5.9048 looks on a white background.

Color Contrast Check

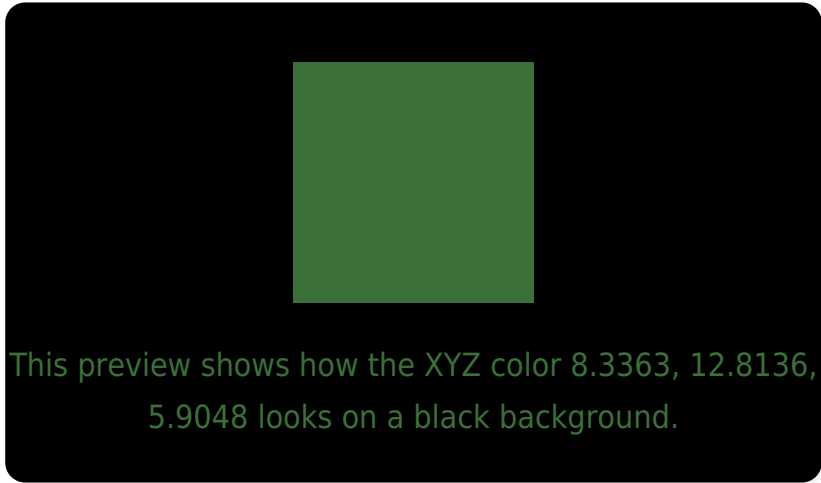
Large Text (above 18pt) WCAG AA ✓ Pass

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 8.3363, 12.8136, 5.9048

Background



This preview shows how black text looks on a background with the XYZ color 8.3363, 12.8136, 5.9048.



This preview shows how white text looks on a background with the XYZ color 8.3363, 12.8136,

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

8.3363, 12.8136, 5.9048

Protanopia

11.6302, 12.6864, 5.2039

Deuteranopia

12.8197, 12.5863, 6.1686



Tritanopia

10.7898, 12.8626, 17.8336

Trichromacy



Original Color

8.3363, 12.8136, 5.9048

Protanomaly

9.9306, 12.3911, 5.3584

Deuteranomaly

10.5063, 12.2303, 6.0819

Tritanomaly

9.6531, 12.7087, 12.3002

Monochromacy



Original Color

8.3363, 12.8136, 5.9048

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

8.9673, 10.9477, 8.8482

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.3363, 12.8136, 5.9048 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, 112, 57)` looks like.

```
.text, #text, p{  
    color:rgb(59, 112, 57)  
}
```

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, 112, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 112, 57) }
```

Border

The CSS property to change the border of an element to XYZ 8.3363, 12.8136, 5.9048 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, 112, 57) }
```


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

```
.border{ border-color:rgb(59, 112, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 112, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 112, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 112, 57);  
box-shadow:4px 4px 4px 4px rgb(59, 112,  
57) }
```

Background

The CSS property to change the background color of an element to XYZ 8.3363, 12.8136, 5.9048 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 112, 57) }
```

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

```
.background{ background-color: rgb(59, 112,  
57) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor