

Converting Colors

XYZ(8.4741, 12.4948, 6.2828)

Have a look what the booklet for
XYZ(8.4741, 12.4948, 6.2828)
contains.

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Color

**XYZ(8.5059, 12.5681,
6.2525)**

Conversions

Conversions Part 1

Format	Color
Hex	406E3C
RGB	64, 110, 60
RGB Percent	25%, 43%, 24%
CMY	0.7490, 0.5686, 0.7647
CMYK	0.42, 0.00, 0.45, 0.57
HSL	115°, 29%, 33%
HSV	115°, 45%, 43%
XYZ	8.5059, 12.5681, 6.2525
YIQ	90.5460, -11.3660, -25.3020

Conversions

Conversions Part 2

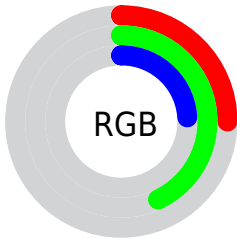
Format	Color
RYB	60, 110, 106
Decimal	4222524
CIELab	42.11, -26.81, 23.02
CIElCh	42, 35.334, 139.344
Yxy	12.5681, 0.3113, 0.4599
Android (android.graphics.Color)	4282412604 (0xFF406E3C)
YUV	90.5460, -15.0592, -23.2808
Hunter-Lab	35.4515, -19.2126, 14.3592

Details

The XYZ color **8.5059, 12.5681, 6.2525** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **10.3747, 7.4220, 15.6383**, and the grayscale version is **9.8761, 10.3905, 11.3152**.

A 20% lighter version of the original color is **22.5665, 30.5008, 18.8852**, and **1.9973, 3.5760, 1.0752** is the 20% darker color. If you saturate the color by 10%, you get **7.6455, 12.1551, 4.8490**, and if you desaturate by 10%, it is **9.5469, 13.0680, 7.9807**.

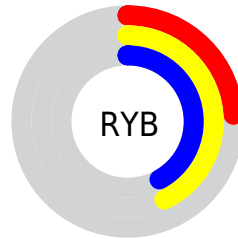
Distribution



Red (25%)

Green (43%)

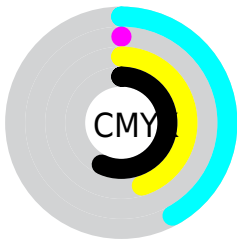
Blue (24%)



Red (24%)

Yellow (43%)

Blue (42%)

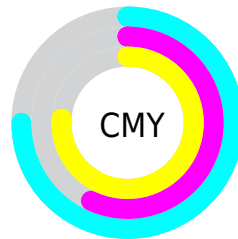


Cyan (42%)

Magenta (0%)

Yellow (45%)

Black (57%)



Cyan (75%)

Magenta (57%)

Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 8.5059, 12.5681, 6.2525 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 8.5059, 12.5681, 6.2525 by changing the saturation by 10% instead.

■ 8.5059, 12.5681,
6.2525

■ 8.5059, 12.5681,
6.2525

173.9342,
208.1308, 170.6875

■ 4.4748, 7.1318,
2.9280

■ 22.6204, 30.5256,
18.9394

■ 1.9741, 3.5447,
1.0580

■ 33.4346, 43.8157,
29.1389

■ 0.6194, 1.4223,
0.0000

■ 47.2406, 60.4925,
42.4670

■ 0.0000, 0.2331,
0.0000

■ 64.4037, 80.9403,
59.3425

■ 0.0000, 0.0000,
0.0000

■ 85.2892, 105.5437,
80.1837

■ 110.2626,

134.6870, 105.4092

139.6891,
168.7546, 135.4377

■ 8.5059, 12.5681,
6.2525

■ 8.5059, 12.5681,
6.2525

■ 7.6455, 12.1551,
4.8490

■ 9.5469, 13.0680,
7.9807

■ 6.9545, 11.8225,
3.7492

■ 10.7770, 13.6576,
10.0511

■ 6.4219, 11.5655,
2.9308

■ 12.2053, 14.3416,
12.4812

■ 6.0351, 11.3781,
2.3683

■ 13.8400, 15.1239,
15.2870

■ 5.7755, 11.2520,
2.0110

■ 15.6889, 16.0082,
18.4833

■ 5.6863, 11.2091,
1.8639

■ 17.7593, 16.9979,
22.0844

■ 20.0582, 18.0965,
26.1037

■ 22.5923, 19.3070,
30.5541

■ 25.3681, 20.6325,
35.4478

Harmonies

Analogous

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



10.3479, 12.5681, 4.0646



8.5059, 12.5681, 6.2525



7.6340, 12.5681, 11.1779

Triad

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



8.5059, 12.5681, 6.2525



11.0349, 12.5681, 33.4168



17.3793, 12.5681, 9.4268

Complementary

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



8.5059, 12.5681, 6.2525



10.3747, 7.4220, 15.6383

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.



17.6350, 12.5681, 16.5404



8.5059, 12.5681, 6.2525



13.6998, 12.5681, 32.3979

Square

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



8.5059, 12.5681, 6.2525



8.9451, 12.5681, 27.8707



16.2063, 12.5681, 25.4522



15.5517, 12.5681, 5.3768

Rectangle

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



8.5059, 12.5681, 6.2525



7.6191, 12.5681, 16.1726



16.2063, 12.5681, 25.4522



17.6611, 12.5681, 11.4657

Sweetspot

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



8.5062, 12.5686, 6.2528



21.7267, 25.3257, 22.4192



12.3834, 13.9156, 6.3084



4.9526, 5.8439, 5.0404



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.



8.5062, 12.5686, 6.2528



13.2904, 21.2804, 8.2964



8.9187, 12.7047, 9.7343



3.3675, 3.7748, 3.6245



6.8184, 13.4588, 2.2384



33.6520, 66.8823, 11.1359

Inverse Universe

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



10.3747, 7.4220, 15.6383



17.0285, 10.9510, 27.1235



9.8569, 7.2711, 10.3723



3.4894, 3.4406, 4.2344



9.8443, 4.6843, 18.1069



48.6996, 23.1599, 90.1827

Previews

White Background



This preview shows how the XYZ color 8.5059, 12.5681, 6.2525 looks on a white background.

Color Contrast Check

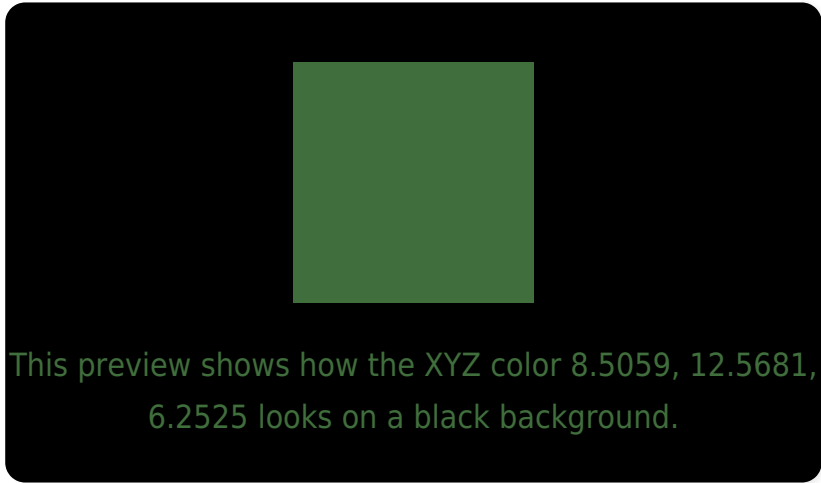
Large Text (above 18pt) WCAG AA ✓ Pass

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 8.5059, 12.5681, 6.2525

Background



This preview shows how black text looks on a background with the XYZ color 8.5059, 12.5681, 6.2525.



This preview shows how white text looks on a background with the XYZ color 8.5059, 12.5681,

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

8.5059, 12.5681, 6.2525

Protanopia

11.4823, 12.4604, 5.5413

Deuteranopia

12.6254, 12.4765, 6.5933



Tritanopia

10.6990, 12.5263, 17.1832

Trichromacy



Original Color

8.5059, 12.5681, 6.2525

Protanomaly

10.1030, 12.3231, 5.7170

Deuteranomaly

10.6000, 12.1259, 6.4845

Tritanomaly

9.6556, 12.4005, 12.2406

Monochromacy



Original Color

8.5059, 12.5681, 6.2525

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

9.2090, 11.0639, 9.2396

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.5059, 12.5681, 6.2525 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(64, 110, 60)` looks like.

```
.text, #text, p{  
    color:rgb(64, 110, 60)  
}
```

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(64, 110, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 110, 60) }
```

Border

The CSS property to change the border of an element to XYZ 8.5059, 12.5681, 6.2525 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(64, 110, 60) }
```


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

```
.border{ border-color:rgb(64, 110, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 110, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 110, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 110, 60);  
box-shadow:4px 4px 4px 4px rgb(64, 110,  
60) }
```

Background

The CSS property to change the background color of an element to XYZ 8.5059, 12.5681, 6.2525 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 110, 60) }
```

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

```
.background{ background-color: rgb(64, 110,  
60) }
```

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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