

Converting Colors

XYZ(4.1577, 13.7709, 5.0375)

Have a look what the booklet for
XYZ(4.1577, 13.7709, 5.0375)
contains.

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Color

**XYZ(8.3434, 15.8978,
5.2136)**

Conversions

Conversions Part 1

Format	Color
Hex	00812E
RGB	0, 129, 46
RGB Percent	0%, 51%, 18%
CMY	1.0000, 0.4941, 0.8196
CMYK	1.00, 0.00, 0.64, 0.49
HSL	141°, 100%, 25%
HSV	141°, 100%, 51%
XYZ	8.3434, 15.8978, 5.2136
YIQ	80.9670, -50.2410, -53.1610

Conversions

Conversions Part 2

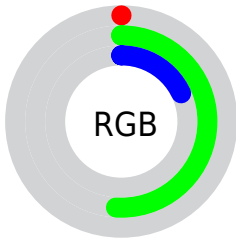
Format	Color
RYB	0, 95, 129
Decimal	33070
CIELab	46.84, -48.65, 35.72
CIELCh	47, 60.354, 143.713
Yxy	15.8978, 0.2833, 0.5397
Android (android.graphics.Color)	4278223150 (0xFF00812E)
YUV	80.9670, -17.2387, -71.0081
Hunter-Lab	39.8720, -32.4242, 20.1578

Details

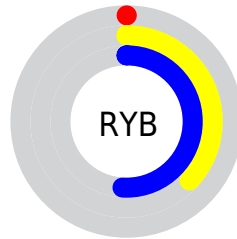
The XYZ color **8.3434, 15.8978, 5.2136** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **10.6150, 5.2919, 8.6457**, and the grayscale version is **7.8550, 8.2641, 8.9996**.

A 20% lighter version of the original color is **22.3073, 36.3987, 16.6764**, and **2.7244, 5.4488, 0.9081** is the 20% darker color. If you saturate the color by 10%, you get **8.3438, 15.8984, 5.2139**, and if you desaturate by 10%, it is **8.6881, 16.0552, 6.1684**.

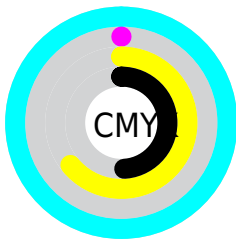
Distribution



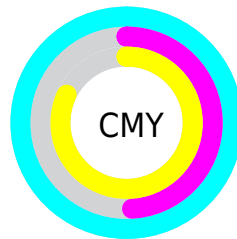
- Red (0%)
- Green (51%)
- Blue (18%)



- Red (0%)
- Yellow (37%)
- Blue (51%)



- Cyan (100%)
- Magenta (0%)
- Yellow (64%)
- Black (49%)





- Cyan (100%)
- Magenta (49%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 8.3434, 15.8978, 5.2136 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 8.3434, 15.8978, 5.2136 by changing the saturation by 10% instead.


 8.3434, 15.8978,
5.2136


 8.3434, 15.8978,
5.2136


172.7141,
228.7379, 160.8864


 4.3691, 9.4519,
2.3122


 22.3080, 36.4207,
16.7240


 1.9130, 5.0371,
0.7380

 33.0290, 51.2664,
26.1700


 0.5844, 2.2690,
0.0000

 46.7296, 69.6809,
38.6347

 0.0000, 0.7572,
0.0000

 63.7751, 92.0485,
54.5365

 0.0000, 0.0000,
0.0000

 84.5310, 118.7536,
74.2941

 109.3625,

150.1806, 98.3259

138.6351,
186.7139, 127.0505

■ 8.3434, 15.8978,
5.2136

■ 8.3434, 15.8978,
5.2136

■ 8.3438, 15.8984,
5.2139

■ 8.6881, 16.0552,
6.1684

■ 9.1577, 16.2726,
7.3029

■ 9.8102, 16.5804,
8.6281

■ 10.6650, 16.9882,
10.1528

■ 11.7386, 17.5044,
11.8849

■ 13.0460, 18.1366,
13.8319

■ 14.6004, 18.8916,
16.0010

■ 16.4145, 19.7756,
18.3990

■ 18.4997, 20.7944,
21.0325

Harmonies

Analogous

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



11.4015, 15.8978, 2.0362



8.3434, 15.8978, 5.2136



7.1299, 15.8978, 14.3313

Triad

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



8.3434, 15.8978, 5.2136



14.0310, 15.8978, 64.9230



26.3733, 15.8978, 8.0882

Complementary

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



8.3434, 15.8978, 5.2136



10.6150, 5.2919, 8.6457

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.



27.5381, 15.8978, 20.6753



8.3434, 15.8978, 5.2136



19.5472, 15.8978, 59.6000

Square

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



8.3434, 15.8978, 5.2136



9.8861, 15.8978, 52.6642



24.8020, 15.8978, 40.6950



21.9113, 15.8978, 2.8955

Rectangle

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



8.3434, 15.8978, 5.2136



7.2685, 15.8978, 25.1127



24.8020, 15.8978, 40.6950



27.2006, 15.8978, 11.3183

Sweetspot

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



8.3438, 15.8985, 5.2140



25.9343, 33.7267, 28.3666



11.4935, 17.5792, 2.7874



5.6399, 7.5220, 6.1040



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



8.3438, 15.8985, 5.2140



14.8741, 28.4426, 8.9831



10.6462, 16.8194, 17.3381



4.3345, 4.8421, 4.9326



8.1368, 15.5013, 5.0931



0.0000, 0.0000, 0.0000

Inverse Universe

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



10.6150, 5.2919, 8.6457



18.9344, 9.4466, 15.0924



9.1742, 4.7156, 1.0586



4.4351, 4.3872, 5.0956



10.3513, 5.1602, 8.4398



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 8.3434, 15.8978, 5.2136 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 8.3434, 15.8978, 5.2136 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 8.3434, 15.8978, 5.2136

Background



This preview shows how black text looks on a background with the XYZ color 8.3434, 15.8978, 5.2136.



This preview shows how white text looks on a background with the XYZ color 8.3434, 15.8978,

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

8.3434, 15.8978, 5.2136

Protanopia

14.3969, 15.8141, 4.3914

Deuteranopia

15.8475, 15.5944, 5.5429



Tritanopia

12.3503, 16.0435, 23.9185

Trichromacy



Original Color

8.3434, 15.8978, 5.2136



Protanomaly

10.1389, 14.7935, 4.6066



Deuteranomaly

10.5235, 14.2912, 5.2214



Tritanomaly

10.1351, 15.6587, 14.5449

Monochromacy



Original Color

8.3434, 15.8978, 5.2136



Achromatopsia

7.8210, 8.2283, 8.9606



Achromatomaly

6.8272, 9.8828, 7.0166

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.3434, 15.8978, 5.2136 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(0, 129, 46)` looks like.

```
.text, #text, p{  
    color:rgb(0, 129, 46)  
}
```

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(0, 129, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 129, 46) }
```

Border

The CSS property to change the border of an element to XYZ 8.3434, 15.8978, 5.2136 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(0, 129, 46) }
```


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

```
.border{ border-color:rgb(0, 129, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 129, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 129, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 129, 46);  
box-shadow:4px 4px 4px 4px rgb(0, 129, 46)  
}
```

Background

The CSS property to change the background color of an element to XYZ 8.3434, 15.8978, 5.2136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 129, 46) }
```

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

```
.background{ background-color: rgb(0, 129,  
46) }
```

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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