

Converting Colors

XYZ(8.3786, 15.5980, 6.3663)

Have a look what the booklet for
XYZ(8.3786, 15.5980, 6.3663)
contains.

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Color

**XYZ(8.4330, 15.7239,
6.3319)**

Conversions

Conversions Part 1

Format	Color
Hex	008038
RGB	0, 128, 56
RGB Percent	0%, 50%, 22%
CMY	1.0000, 0.4980, 0.7804
CMYK	1.00, 0.00, 0.56, 0.50
HSL	146°, 100%, 25%
HSV	146°, 100%, 50%
XYZ	8.4330, 15.7239, 6.3319
YIQ	81.5200, -53.1760, -49.5280

Conversions

Conversions Part 2

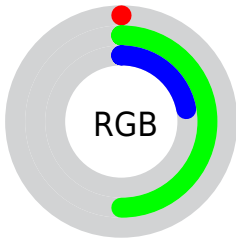
Format	Color
RYB	0, 89, 128
Decimal	32824
CIELab	46.61, -46.86, 30.46
CIELCh	47, 55.895, 146.975
Yxy	15.7239, 0.2766, 0.5157
Android (android.graphics.Color)	4278222904 (0xFF008038)
YUV	81.5200, -12.5814, -71.4930
Hunter-Lab	39.6534, -31.4322, 18.2899

Details

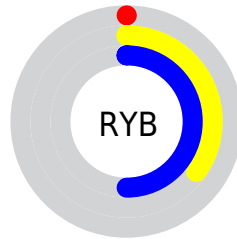
The XYZ color **8.4330, 15.7239, 6.3319** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **10.0723, 5.0574, 6.5770**, and the grayscale version is **7.9565, 8.3709, 9.1159**.

A 20% lighter version of the original color is **22.5022, 36.1381, 19.1540**, and **2.6977, 5.3253, 1.1154** is the 20% darker color. If you saturate the color by 10%, you get **8.4333, 15.7245, 6.3320**, and if you desaturate by 10%, it is **8.7855, 15.8842, 7.3352**.

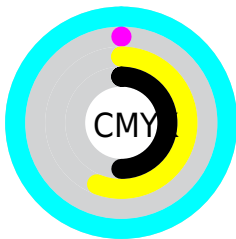
Distribution



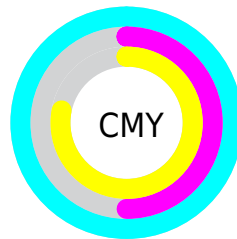
- Red (0%)
- Green (50%)
- Blue (22%)



- Red (0%)
- Yellow (35%)
- Blue (50%)



- Cyan (100%)
- Magenta (0%)
- Yellow (56%)
- Black (50%)





- Cyan (100%)
- Magenta (50%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 8.4330, 15.7239, 6.3319 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 8.4330, 15.7239, 6.3319 by changing the saturation by 10% instead.

 8.4330, 15.7239,
6.3319

 8.4330, 15.7239,
6.3319

173.3881,
227.7070, 171.4054

 4.4274, 9.3290,
2.9759


 22.4804, 36.1182,
19.1054


 1.9466, 4.9564,
1.0823

 33.2529, 50.8864,
29.3600


 0.6037, 2.2217,
0.0000

 47.0117, 69.2145,
42.7512

 0.0000, 0.7318,
0.0000

 64.1222, 91.4868,
59.6976

 0.0000, 0.0000,
0.0000

 84.9497, 118.0879,
80.6177

 109.8596,

149.4020, 105.9299

139.2173,
185.8135, 136.0530

■ 8.4330, 15.7239,
6.3319

■ 8.4330, 15.7239,
6.3319

■ 8.4333, 15.7245,
6.3320

■ 8.7855, 15.8842,
7.3352

■ 9.2537, 16.1007,
8.4812

■ 9.8947, 16.4031,
9.7779

■ 10.7269, 16.8009,
11.2308

■ 11.7661, 17.3019,
12.8454

■ 13.0262, 17.9134,
14.6265

■ 14.5202, 18.6419,
16.5790

■ 16.2598, 19.4934,
18.7073

■ 18.2560, 20.4735,
21.0159

Harmonies

Analogous

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



11.1162, 15.7239, 2.6741



8.4330, 15.7239, 6.3319



7.4576, 15.7239, 15.7554

Triad

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



8.4330, 15.7239, 6.3319



14.4604, 15.7239, 59.7779



24.8426, 15.7239, 7.6686

Complementary

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



8.4330, 15.7239, 6.3319



10.0723, 5.0574, 6.5770

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.



26.2686, 15.7239, 18.5626



8.4330, 15.7239, 6.3319



19.5655, 15.7239, 53.4418

Square

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



8.4330, 15.7239, 6.3319



10.4339, 15.7239, 50.5003



24.1613, 15.7239, 36.0899



20.5988, 15.7239, 3.1021

Rectangle

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



8.4330, 15.7239, 6.3319



7.7067, 15.7239, 26.1183



24.1613, 15.7239, 36.0899



25.7023, 15.7239, 10.4706

Sweetspot

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



8.4334, 15.7245, 6.3323



25.3681, 32.7249, 28.9405



10.4322, 16.8374, 2.7002



5.7120, 7.5508, 6.4838



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.



8.4334, 15.7245, 6.3323



14.7773, 27.6562, 10.7785



11.0776, 16.7822, 20.2563



4.3481, 4.8476, 5.0042



8.3625, 15.5916, 6.2819



0.0000, 0.0000, 0.0000

Inverse Universe

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



10.0723, 5.0574, 6.5770



17.6598, 8.8745, 11.1930



8.9493, 4.6082, 0.6629



4.4211, 4.3816, 5.0221



9.9876, 5.0148, 6.5247



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 8.4330, 15.7239, 6.3319 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 8.4330, 15.7239, 6.3319 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 8.4330, 15.7239, 6.3319

Background



This preview shows how black text looks on a background with the XYZ color 8.4330, 15.7239, 6.3319.



This preview shows how white text looks on a background with the XYZ color 8.4330, 15.7239,

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

8.4330, 15.7239, 6.3319

Protanopia

14.1777, 15.5197, 5.2660

Deuteranopia

15.7526, 15.5193, 6.7227



Tritanopia

12.0611, 15.7228, 23.5182

Trichromacy



Original Color

8.4330, 15.7239, 6.3319



Protanomaly

10.1230, 14.5902, 5.5315



Deuteranomaly

10.4671, 14.0678, 6.4386



Tritanomaly

10.1268, 15.4523, 15.2808

Monochromacy



Original Color

8.4330, 15.7239, 6.3319



Achromatopsia

8.0200, 8.4376, 9.1886



Achromatomaly

7.0806, 10.1348, 7.8864

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.4330, 15.7239, 6.3319 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, 128, 56)` looks like.

```
.text, #text, p{  
    color:rgb(0, 128, 56)  
}
```

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, 128, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 128, 56) }
```

Border

The CSS property to change the border of an element to XYZ 8.4330, 15.7239, 6.3319 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, 128, 56) }
```


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

```
.border{ border-color:rgb(0, 128, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 128, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 128, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 128, 56);  
box-shadow:4px 4px 4px 4px rgb(0, 128, 56)  
}
```

Background

The CSS property to change the background color of an element to XYZ 8.4330, 15.7239, 6.3319 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 128, 56) }
```

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

```
.background{ background-color: rgb(0, 128,  
56) }
```

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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