

Converting Colors

XYZ(5.6112, 15.7761, 0.9380)

Have a look what the booklet for
XYZ(5.6112, 15.7761, 0.9380)
contains.

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Color

**XYZ(8.6640, 17.3279,
2.8880)**

Conversions

Conversions Part 1

Format	Color
Hex	008700
RGB	0, 135, 0
RGB Percent	0%, 53%, 0%
CMY	1.0000, 0.4706, 1.0000
CMYK	1.00, 0.00, 1.00, 0.47
HSL	120°, 100%, 26%
HSV	120°, 100%, 53%
XYZ	8.6640, 17.3279, 2.8880
YIQ	79.2450, -37.1250, -70.6050

Conversions

Conversions Part 2

Format	Color
RYB	0, 135, 135
Decimal	34560
CIELab	48.67, -53.73, 51.86
CIELCh	49, 74.671, 136.016
Yxy	17.3279, 0.3000, 0.6000
Android (android.graphics.Color)	4278224640 (0xFF008700)
YUV	79.2450, -39.0678, -69.4979
Hunter-Lab	41.6268, -35.6948, 25.0253

Details

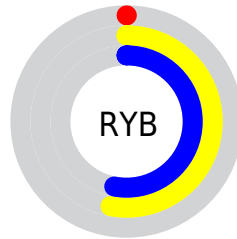
The XYZ color **8.6640, 17.3279, 2.8880** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **14.3651, 6.9004, 23.4954**, and the grayscale version is **7.5577, 7.9513, 8.6590**.

A 20% lighter version of the original color is **23.0237, 39.0934, 11.3333**, and **3.0933, 6.1865, 1.0311** is the 20% darker color. If you saturate the color by 10%, you get **8.6643, 17.3286, 2.8882**, and if you desaturate by 10%, it is **8.9138, 17.4484, 3.2963**.

Distribution



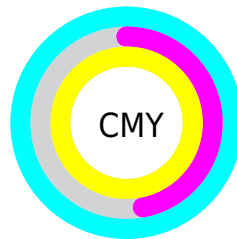
- Red (0%)
- Green (53%)
- Blue (0%)



- Red (0%)
- Yellow (53%)
- Blue (53%)



- Cyan (100%)
- Magenta (0%)
- Yellow (100%)
- Black (47%)





- Cyan (100%)
- Magenta (47%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 8.6640, 17.3279, 2.8880 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 8.6640, 17.3279, 2.8880 by changing the saturation by 10% instead.


 8.6640, 17.3279,
2.8880


 8.6640, 17.3279,
2.8880


175.1119,
237.0549, 134.9211


 4.5780, 10.4686,
1.0377


 22.9234, 38.8887,
11.3508


 2.0341, 5.7107,
0.0000

 33.8275, 54.3589,
18.8004


 0.6530, 2.6700,
0.0000


 47.7351, 73.4683,
28.9536

 0.0000, 0.9620,
0.0000


 65.0115, 96.6011,
42.2288


 0.0000, 0.0000,
0.0000


 86.0220, 124.1417,
59.0446


 111.1319,


156.4747, 79.8196


 140.7068,
193.9843, 104.9722


 8.6640, 17.3279,
2.8880


 8.6640, 17.3279,
2.8880


 8.6643, 17.3286,
2.8882

 8.9138, 17.4484,
3.2963

 9.3144, 17.6408,
3.9516

 9.9509, 17.9466,
4.9928

 10.8520, 18.3794,
6.4668

 12.0423, 18.9512,
8.4138

■ 13.5437, 19.6724,
10.8696

■ 15.3758, 20.5524,
13.8662

■ 17.5566, 21.6000,
17.4334

■ 20.1031, 22.8232,
21.5986

Harmonies

Analogous

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



13.0812, 17.3279, 0.8489



8.6640, 17.3279, 2.8880



6.6757, 17.3279, 11.1096

Triad

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



8.6640, 17.3279, 2.8880



13.4738, 17.3279, 84.7285



32.7480, 17.3279, 10.2223

Complementary

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



8.6640, 17.3279, 2.8880



14.3651, 6.9004, 23.4954

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.



32.9404, 17.3279, 29.5894



8.6640, 17.3279, 2.8880



20.3979, 17.3279, 83.7852

Square

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



8.6640, 17.3279, 2.8880



8.8820, 17.3279, 61.3942



27.9464, 17.3279, 59.3309



27.4770, 17.3279, 2.6245

Rectangle

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



8.6640, 17.3279, 2.8880



6.5023, 17.3279, 23.1250



27.9464, 17.3279, 59.3309



33.4500, 17.3279, 15.1669

Sweetspot

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



8.6644, 17.3286, 2.8884



27.2932, 36.6884, 24.4368



18.6563, 22.4797, 3.3559



6.0290, 8.3564, 5.1820



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



8.6644, 17.3286, 2.8884



15.5156, 31.0311, 5.1720



9.6926, 17.7399, 8.3030



4.6163, 5.2048, 4.9907



7.9893, 15.9786, 2.6632



0.0277, 0.0554, 0.0092

Inverse Universe

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



14.3651, 6.9004, 23.4954



25.7241, 12.3566, 42.0742



11.0204, 5.5625, 5.8826



4.8579, 4.7628, 5.8640



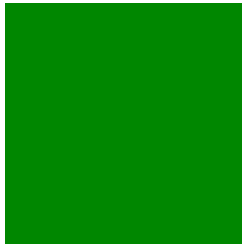
13.2459, 6.3627, 21.6649



0.0459, 0.0220, 0.0751

Previews

White Background



This preview shows how the XYZ color 8.6640, 17.3279, 2.8880 looks on a white background.

Color Contrast Check

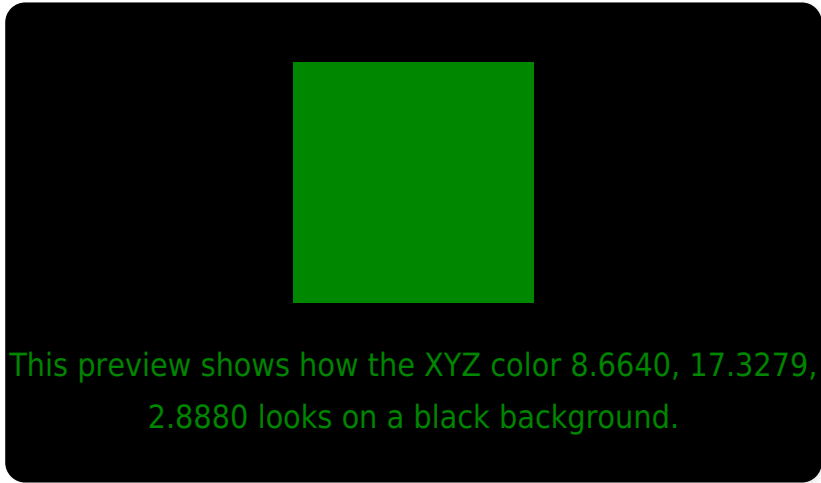
Large Text (above 18pt) WCAG AA ✓ Pass

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

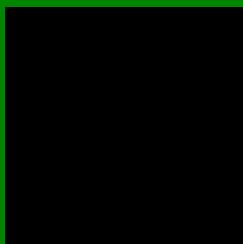
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 8.6640, 17.3279, 2.8880

Background



This preview shows how black text looks on a background with the XYZ color 8.6640, 17.3279, 2.8880.



This preview shows how white text looks on a background with the XYZ color 8.6640, 17.3279, 2.8880.

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

8.6640, 17.3279, 2.8880

Protanopia

15.4513, 17.2366, 2.5126

Deuteranopia

17.3675, 17.0457, 3.5372



Tritanopia

13.4649, 17.3147, 25.9249

Trichromacy



Original Color

8.6640, 17.3279, 2.8880



Protanomaly

10.6502, 16.0049, 2.5279



Deuteranomaly

11.0012, 15.2759, 2.9410



Tritanomaly

10.2981, 16.7637, 11.7098

Monochromacy



Original Color

8.6640, 17.3279, 2.8880



Achromatopsia

7.4317, 7.8187, 8.5146



Achromatomaly

6.3530, 9.8321, 4.5806

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.6640, 17.3279, 2.8880 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, 135, 0)` looks like.

```
.text, #text, p{  
    color:rgb(0, 135, 0)  
}
```

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, 135, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 135, 0) }
```

Border

The CSS property to change the border of an element to XYZ 8.6640, 17.3279, 2.8880 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, 135, 0) }
```


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

```
.border{ border-color:rgb(0, 135, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 135, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 135, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 135, 0); box-shadow:4px  
4px 4px 4px rgb(0, 135, 0) }
```

Background

The CSS property to change the background color of an element to XYZ 8.6640, 17.3279, 2.8880 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 135, 0) }
```

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

```
.background{ background-color: rgb(0, 135,  
0) }
```

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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