

Converting Colors

XYZ(8.3968, 17.2341, 4.0599)

Have a look what the booklet for
XYZ(8.3968, 17.2341, 4.0599)
contains.

XYZ(8.8857, 17.4167, 4.0558)	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(8.8857, 17.4167,
4.0558)**

Conversions

Conversions Part 1

Format	Color
Hex	00871D
RGB	0, 135, 29
RGB Percent	0%, 53%, 11%
CMY	1.0000, 0.4706, 0.8863
CMYK	1.00, 0.00, 0.79, 0.47
HSL	133°, 100%, 26%
HSV	133°, 100%, 53%
XYZ	8.8857, 17.4167, 4.0558
YIQ	82.5510, -46.4340, -61.5860

Conversions

Conversions Part 2

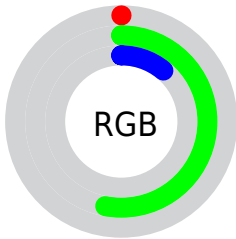
Format	Color
RYB	0, 111, 135
Decimal	34589
CIELab	48.78, -52.30, 44.90
CIElCh	49, 68.928, 139.355
Yxy	17.4167, 0.2927, 0.5737
Android (android.graphics.Color)	4278224669 (0xFF00871D)
YUV	82.5510, -26.4006, -72.3972
Hunter-Lab	41.7333, -35.0278, 23.4513

Details

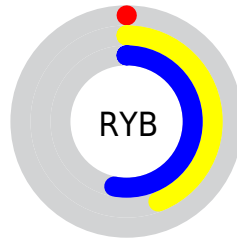
The XYZ color **8.8857, 17.4167, 4.0558** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **12.5936, 6.1917, 14.1668**, and the grayscale version is **8.1898, 8.6163, 9.3831**.

A 20% lighter version of the original color is **23.4659, 39.2600, 14.1257**, and **3.0933, 6.1865, 1.0311** is the 20% darker color. If you saturate the color by 10%, you get **8.8862, 17.4175, 4.0562**, and if you desaturate by 10%, it is **9.2141, 17.5687, 4.8778**.

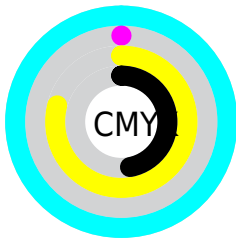
Distribution



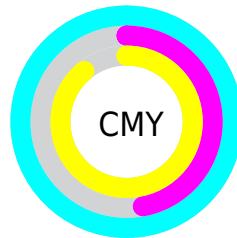
- Red (0%)
- Green (53%)
- Blue (11%)



- Red (0%)
- Yellow (44%)
- Blue (53%)



- Cyan (100%)
- Magenta (0%)
- Yellow (79%)
- Black (47%)





- Cyan (100%)
- Magenta (47%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 8.8857, 17.4167, 4.0558 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 8.8857, 17.4167, 4.0558 by changing the saturation by 10% instead.


 8.8857, 17.4167,
4.0558


 8.8857, 17.4167,
4.0558


176.7481,
237.5624, 148.8436


 4.7232, 10.5320,
1.6560


 23.3465, 39.0409,
14.1382

 2.1189, 5.7531,
0.3303

 34.3756, 54.5491,
22.6580


 0.6994, 2.6955,
0.0000

 48.4242, 73.7007,
34.0548

 0.0000, 0.9749,
0.0000


 65.8577, 96.8800,
48.7472


 0.0000, 0.0000,
0.0000


 87.0415, 124.4715,
67.1537


 112.3409,


156.8594, 89.6929


 142.1213,
194.4282, 116.7834


 8.8857, 17.4167,
4.0558


 8.8857, 17.4167,
4.0558


 8.8862, 17.4175,
4.0562

 9.2141, 17.5687,
4.8778

 9.6965, 17.7938,
5.9642

 10.3961, 18.1248,
7.3377

 11.3361, 18.5732,
9.0168

 12.5367, 19.1491,
11.0187

■ 14.0161, 19.8614,
13.3589

■ 15.7905, 20.7184,
16.0523

■ 17.8750, 21.7274,
19.1126

■ 20.2838, 22.8955,
22.5529

Harmonies

Analogous

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



12.8144, 17.4167, 1.3825



8.8857, 17.4167, 4.0558



7.1924, 17.4167, 13.1896

Triad

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



8.8857, 17.4167, 4.0558



14.3912, 17.4167, 78.6279



31.0233, 17.4167, 9.5454

Complementary

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



8.8857, 17.4167, 4.0558



12.5936, 6.1917, 14.1668

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.



31.7616, 17.4167, 26.2166



8.8857, 17.4167, 4.0558



20.9585, 17.4167, 75.1194

Square

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



8.8857, 17.4167, 4.0558



9.7839, 17.4167, 60.0248



27.7069, 17.4167, 52.2577



25.8921, 17.4167, 2.8513

Rectangle

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



8.8857, 17.4167, 4.0558



7.1649, 17.4167, 25.2627



27.7069, 17.4167, 52.2577



31.8357, 17.4167, 13.8100

Sweetspot

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



8.8862, 17.4175, 4.0562



28.0459, 36.9896, 28.4010



14.8490, 20.5170, 3.1776



6.2135, 8.4303, 6.1536



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.



8.8862, 17.4175, 4.0562



15.8622, 31.1697, 6.9973



10.7073, 18.1459, 13.6463



4.6542, 5.2199, 5.1905



8.1982, 16.0621, 3.7630



0.0307, 0.0566, 0.0250

Inverse Universe

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



12.5936, 6.1917, 14.1668



22.4914, 11.0636, 25.0515



10.3837, 5.3078, 2.5297



4.8162, 4.7462, 5.6444



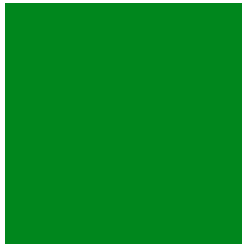
11.6173, 5.7113, 13.0892



0.0429, 0.0208, 0.0593

Previews

White Background



This preview shows how the XYZ color 8.8857, 17.4167, 4.0558 looks on a white background.

Color Contrast Check

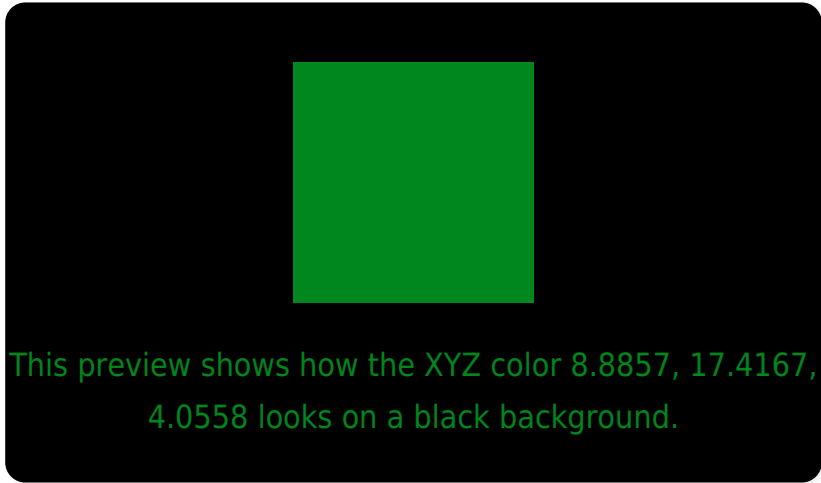
Large Text (above 18pt) WCAG AA ✓ Pass

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 8.8857, 17.4167, 4.0558

Background



This preview shows how black text looks on a background with the XYZ color 8.8857, 17.4167, 4.0558.



This preview shows how white text looks on a background with the XYZ color 8.8857, 17.4167,

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

8.8857, 17.4167, 4.0558

Protanopia

15.6162, 17.3026, 3.3808

Deuteranopia

17.4605, 17.2344, 4.4138



Tritanopia

13.5357, 17.5400, 25.9647

Trichromacy



Original Color

8.8857, 17.4167, 4.0558



Protanomaly

10.8367, 16.0795, 3.5098



Deuteranomaly

11.3289, 15.5963, 4.0824



Tritanomaly

10.7355, 16.9386, 14.0129

Monochromacy



Original Color

8.8857, 17.4167, 4.0558



Achromatopsia

8.2219, 8.6500, 9.4199



Achromatomaly

7.1168, 10.6185, 6.3771

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.8857, 17.4167, 4.0558 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, 29)` looks like.

```
.text, #text, p{  
    color:rgb(0, 135, 29)  
}
```

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, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 135, 29) }
```

Border

The CSS property to change the border of an element to XYZ 8.8857, 17.4167, 4.0558 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, 29) }
```


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

```
.border{ border-color:rgb(0, 135, 29) }
```

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, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 135, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 135, 29);  
box-shadow:4px 4px 4px 4px rgb(0, 135, 29)  
}
```

Background

The CSS property to change the background color of an element to XYZ 8.8857, 17.4167, 4.0558 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, 29) }
```

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

```
.background{ background-color: rgb(0, 135,  
29) }
```

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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