

Converting Colors

XYZ(32.8879, 48.9951, 8.4055)

Have a look what the booklet for
XYZ(32.8879, 48.9951, 8.4055)
contains.

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Color

**XYZ(32.8745, 48.9870,
8.3846)**

Conversions

Conversions Part 1

Format	Color
Hex	8ECC14
RGB	142, 204, 20
RGB Percent	56%, 80%, 8%
CMY	0.4431, 0.2000, 0.9215
CMYK	0.30, 0.00, 0.90, 0.20
HSL	80°, 82%, 44%
HSV	80°, 90%, 80%
XYZ	32.8745, 48.9870, 8.3846
YIQ	164.4860, 22.1120, -70.3680

Conversions

Conversions Part 2

Format	Color
R _Y B	20, 204, 82
Decimal	9358356
CIE Lab	75.44, -43.18, 72.57
CIE LCh	75, 84.445, 120.750
Yxy	48.9870, 0.3643, 0.5428
Android (android.graphics.Color)	4287548436 (0xFF8ECC14)
YUV	164.4860, -71.2316, -19.7202
Hunter-Lab	69.9907, -38.6427, 41.8908

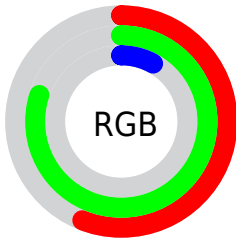
Details

The XYZ color **32.8745, 48.9870, 8.3846** is a dark color, and the websafe version is hex **99CC00**.

The color can be described as dark washed chartreuse. A complement of this color would be **14.6314, 6.6554, 57.6430**, and the grayscale version is **35.8425, 37.7091, 41.0652**.

A 20% lighter version of the original color is **61.3826, 84.5206, 22.5301**, and **14.4036, 23.3797, 3.7536** is the 20% darker color. If you saturate the color by 10%, you get **31.6266, 48.3599, 7.6675**, and if you desaturate by 10%, it is **34.3556, 49.7217, 9.8312**.

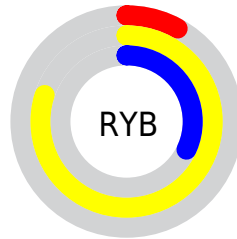
Distribution



Red (56%)

Green (80%)

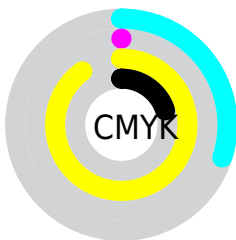
Blue (8%)



Red (8%)

Yellow (80%)

Blue (32%)

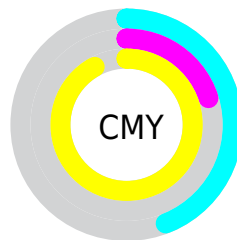


Cyan (30%)

Magenta (0%)

Yellow (90%)

Black (20%)



Cyan (44%)


Magenta (20%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.8745, 48.9870, 8.3846 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 32.8745, 48.9870, 8.3846 by changing the saturation by 10% instead.


 32.8745, 48.9870,
8.3846


 32.8745, 48.9870,
8.3846


306.7588,
382.6911, 188.7641

 22.1891, 34.6092,
4.2507


 63.5355, 88.6721,
23.2675


 14.1133, 23.3620,
1.7639


 84.2419, 114.7482,
34.8537


 8.2817, 14.8610,
0.4040


 109.0192,
145.4926, 49.7610


 4.3291, 8.7219,
0.0000

 138.2330,
181.2895, 68.4080

 1.8899, 4.5602,
0.0000

 172.2485,
222.5234, 91.2133

 0.5710, 1.9916,
0.0000

 211.4310,

 0.0000, 0.6026,

269.5787, 118.5954

0.0000

256.1460,
322.8398, 150.9728

■ 0.0000, 0.0000,
0.0000

■ 32.8745, 48.9870,
8.3846

■ 32.8745, 48.9870,
8.3846

■ 31.6266, 48.3599,
7.6675

■ 34.3556, 49.7217,
9.8312

■ 36.0932, 50.5658,
12.2468

■ 38.1148, 51.5321,
15.7650

■ 40.4428, 52.6300,
20.4980

■ 43.0972, 53.8672,
26.5439

■ 46.0957, 55.2513,
33.9910

■ 49.4548, 56.7889,
42.9198

■ 53.1898, 58.4861,
53.4047

■ 57.3148, 60.3489,
65.5151

Harmonies

Analogous

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



46.1700, 48.9870, 5.3434



32.8745, 48.9870, 8.3846



25.0269, 48.9870, 21.4646

Triad

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



32.8745, 48.9870, 8.3846



33.4156, 48.9870, 168.5058



83.3524, 48.9870, 52.2242

Complementary

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



32.8745, 48.9870, 8.3846



14.6314, 6.6554, 57.6430

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.



77.8560, 48.9870, 107.1319



32.8745, 48.9870, 8.3846



46.9536, 48.9870, 193.1281

Square

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



32.8745, 48.9870, 8.3846



25.2868, 48.9870, 110.2559



63.5991, 48.9870, 166.1013



77.3053, 48.9870, 20.4225

Rectangle

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



32.8745, 48.9870, 8.3846



22.8293, 48.9870, 40.7142



63.5991, 48.9870, 166.1013



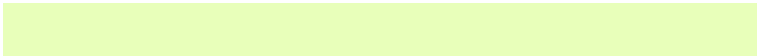
82.7837, 48.9870, 68.3349

Sweetspot

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



32.8756, 48.9892, 8.3857



77.8519, 92.1935, 60.2299



27.9976, 18.8248, 2.8204



16.2692, 19.5521, 11.8692



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



32.8756, 48.9892, 8.3857



52.1361, 79.9622, 12.6864



23.0695, 43.9339, 7.9267



11.7723, 12.9000, 11.9489



20.0078, 30.4897, 4.8306



1.1110, 1.6135, 0.2529

Inverse Universe

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



14.6314, 6.6554, 57.6430



21.8818, 9.1954, 95.2293



28.4588, 13.7837, 58.2901



10.9521, 11.0246, 14.1211



8.4830, 3.5807, 36.2003



0.5183, 0.2263, 1.8713

Previews

White Background



This preview shows how the XYZ color 32.8745, 48.9870, 8.3846 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 32.8745, 48.9870, 8.3846 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

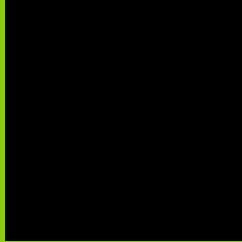
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 32.8745, 48.9870, 8.3846

Background



This preview shows how black text looks on a background with the XYZ color 32.8745, 48.9870, 8.3846.



This preview shows how white text looks on a background with the XYZ color 32.8745, 48.9870,

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

32.8745, 48.9870, 8.3846

Protanopia

43.9138, 48.6973, 7.4016

Deuteranopia

49.5657, 48.5487, 9.0439



Tritanopia

44.3332, 48.9161, 64.8627

Trichromacy



Original Color

32.8745, 48.9870, 8.3846

Protanomaly

39.1568, 48.4859, 7.7104

Deuteranomaly

41.6817, 47.5185, 8.5652

Tritanomaly

37.6201, 47.8338, 31.2948

Monochromacy



Original Color

32.8745, 48.9870, 8.3846

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

32.7550, 40.4780, 21.4159

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.8745, 48.9870, 8.3846 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(142, 204, 20)` looks like.

```
.text, #text, p{  
    color:rgb(142, 204, 20)  
}
```

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(142, 204, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 204, 20) }
```

Border

The CSS property to change the border of an element to XYZ 32.8745, 48.9870, 8.3846 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(142, 204, 20) }
```


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

```
.border{ border-color:rgb(142, 204, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 204, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 204, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 204, 20);  
box-shadow:4px 4px 4px 4px rgb(142, 204,  
20) }
```

Background

The CSS property to change the background color of an element to XYZ 32.8745, 48.9870, 8.3846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 204, 20) }
```

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

```
.background{ background-color: rgb(142,  
204, 20) }
```

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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