

Converting Colors

XYZ(13.8866, 24.8227, 7.8875)

Have a look what the booklet for
XYZ(13.8866, 24.8227, 7.8875)
contains.

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Color

**XYZ(13.8459, 24.7007,
7.9089)**

Conversions

Conversions Part 1

Format	Color
Hex	309C39
RGB	48, 156, 57
RGB Percent	19%, 61%, 22%
CMY	0.8118, 0.3882, 0.7765
CMYK	0.69, 0.00, 0.63, 0.39
HSL	125°, 53%, 40%
HSV	125°, 69%, 61%
XYZ	13.8459, 24.7007, 7.9089
YIQ	112.4220, -32.5890, -53.6850

Conversions

Conversions Part 2

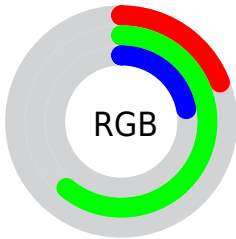
Format	Color
R_{YB}	48, 148, 156
Decimal	3185721
CIE _{Lab}	56.78, -50.63, 42.04
CIE _{LCh}	57, 65.810, 140.298
Yxy	24.7007, 0.2980, 0.5317
Android (android.graphics.Color)	4281375801 (0xFF309C39)
YUV	112.4220, -27.3230, -56.4981
Hunter-Lab	49.6998, -37.2462, 25.3548

Details

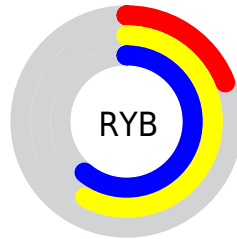
The XYZ color **13.8459, 24.7007, 7.9089** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **20.0343, 11.2887, 28.7268**, and the grayscale version is **15.6106, 16.4236, 17.8853**.

A 20% lighter version of the original color is **32.5569, 51.4209, 22.3967**, and **4.8502, 9.7005, 1.6167** is the 20% darker color. If you saturate the color by 10%, you get **12.9277, 24.2637, 6.2591**, and if you desaturate by 10%, it is **15.1245, 25.3134, 10.1012**.

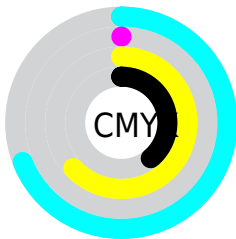
Distribution



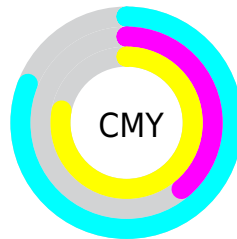
- Red (19%)
- Green (61%)
- Blue (22%)



- Red (19%)
- Yellow (58%)
- Blue (61%)



- Cyan (69%)
- Magenta (0%)
- Yellow (63%)
- Black (39%)





- Cyan (81%)
- Magenta (39%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.8459, 24.7007, 7.9089 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 13.8459, 24.7007, 7.9089 by changing the saturation by 10% instead.


 13.8459, 24.7007,
7.9089


 13.8459, 24.7007,
7.9089


209.7999,
276.3441, 184.9236


 8.0945, 15.8542,
3.9498


 32.4039, 51.1713,
22.3229


 4.2078, 9.4210,
1.5978


 45.9413, 69.5641,
33.6148


 1.8204, 5.0168,
0.2893


 62.8047, 91.9079,
48.1881

 0.5299, 2.2571,
0.0000

 83.3595, 118.5869,
66.4612

 0.0000, 0.7509,
0.0000

 107.9711,
149.9857, 88.8528

 0.0000, 0.0000,
0.0000

 137.0048,

186.4885, 115.7814

170.8259,
228.4799, 147.6654

■ 13.8459, 24.7007,
7.9089

■ 13.8459, 24.7007,
7.9089

■ 12.9277, 24.2637,
6.2591

■ 15.1245, 25.3134,
10.1012

■ 12.3310, 23.9810,
5.1030

■ 16.7939, 26.1143,
12.8759

■ 11.9839, 23.8176,
4.3848

■ 18.8832, 27.1184,
16.2711

■ 11.9616, 23.8070,
4.3457

■ 21.4183, 28.3382,
20.3211

■ 24.4229, 29.7854,
25.0579

■ 27.9191, 31.4707,
30.5112

■ 31.9277, 33.4042,
36.7090

■ 36.4680, 35.5953,
43.6779

■ 41.5587, 38.0530,
51.4431

Harmonies

Analogous

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



18.7159, 24.7007, 3.5285



13.8459, 24.7007, 7.9089



11.7176, 24.7007, 20.3754

Triad

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



13.8459, 24.7007, 7.9089



21.0743, 24.7007, 93.8791



40.2398, 24.7007, 14.7248

Complementary

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



13.8459, 24.7007, 7.9089



20.0343, 11.2887, 28.7268

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.



41.2596, 24.7007, 34.6749



13.8459, 24.7007, 7.9089



28.9846, 24.7007, 89.3021

Square

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



13.8459, 24.7007, 7.9089



15.2474, 24.7007, 74.3521



36.7779, 24.7007, 63.9915



34.2366, 24.7007, 5.7086

Rectangle

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



13.8459, 24.7007, 7.9089



11.7344, 24.7007, 35.1902



36.7779, 24.7007, 63.9915



41.2208, 24.7007, 20.0178

Sweetspot

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



13.8465, 24.7017, 7.9095



43.0901, 53.4863, 43.5219



24.4556, 30.1946, 7.3355



9.1694, 11.6189, 9.0853



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



13.8465, 24.7017, 7.9095



22.8252, 43.7575, 10.1260



15.9772, 25.5540, 19.1298



6.5721, 7.4096, 7.1812



9.8582, 19.6112, 3.6105



0.1821, 0.3530, 0.0952

Inverse Universe

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



20.0343, 11.2887, 28.7268



34.7753, 17.7334, 50.2398



16.7437, 9.9725, 11.3987



6.8803, 6.7450, 8.2207



15.3828, 7.4577, 22.0646



0.2814, 0.1359, 0.4277

Previews

White Background



This preview shows how the XYZ color 13.8459, 24.7007, 7.9089 looks on a white background.

Color Contrast Check

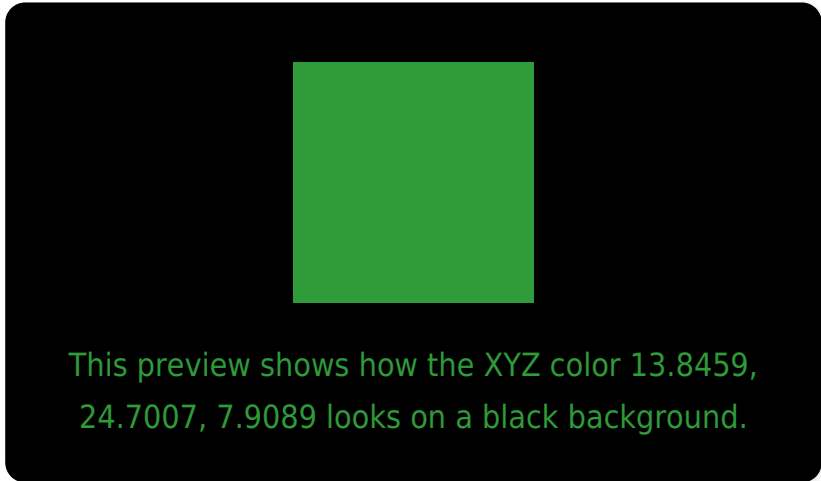
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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 × Fail

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

XYZ 13.8459, 24.7007, 7.9089

Background



This preview shows how black text looks on a background with the XYZ color 13.8459, 24.7007, 7.9089.



This preview shows how white text looks on a background with the XYZ color 13.8459, 24.7007,

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

13.8459, 24.7007, 7.9089

Protanopia

22.1642, 24.4266, 6.6786

Deuteranopia

24.7407, 24.2977, 8.3870



Tritanopia

19.5110, 24.6042, 36.0685

Trichromacy



Original Color

13.8459, 24.7007, 7.9089



Protanomaly

17.4045, 23.4794, 6.9828



Deuteranomaly

18.4143, 23.0981, 8.0453



Tritanomaly

16.6043, 24.3514, 21.9143

Monochromacy



Original Color

13.8459, 24.7007, 7.9089



Achromatopsia

15.4009, 16.2029, 17.6450



Achromatomaly

13.7708, 18.3349, 12.9384

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8459, 24.7007, 7.9089 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(48, 156, 57)` looks like.

```
.text, #text, p{  
    color:rgb(48, 156, 57)  
}
```

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(48, 156, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 156, 57) }
```

Border

The CSS property to change the border of an element to XYZ 13.8459, 24.7007, 7.9089 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(48, 156, 57) }
```


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

```
.border{ border-color:rgb(48, 156, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 156, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 156, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 156, 57);  
box-shadow:4px 4px 4px 4px rgb(48, 156,  
57) }
```

Background

The CSS property to change the background color of an element to XYZ 13.8459, 24.7007, 7.9089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 156, 57) }
```

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

```
.background{ background-color: rgb(48, 156,  
57) }
```

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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