

Converting Colors

XYZ(8.9293, 14.9323, 8.3240)

Have a look what the booklet for
XYZ(8.9293, 14.9323, 8.3240)
contains.

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Color

**XYZ(8.9832, 15.0142,
8.3858)**

Conversions

Conversions Part 1

Format	Color
Hex	257B47
RGB	37, 123, 71
RGB Percent	15%, 48%, 28%
CMY	0.8549, 0.5176, 0.7216
CMYK	0.70, 0.00, 0.42, 0.52
HSL	144°, 54%, 31%
HSV	144°, 70%, 48%
XYZ	8.9832, 15.0142, 8.3858
YIQ	91.3580, -34.5640, -34.4040

Conversions

Conversions Part 2

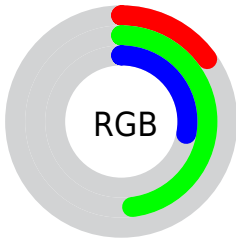
Format	Color
R_{YB}	37, 99, 123
Decimal	2456391
CIE _{Lab}	45.65, -37.99, 21.21
CIE _{LCh}	46, 43.511, 150.831
Yxy	15.0142, 0.2774, 0.4636
Android (android.graphics.Color)	4280646471 (0xFF257B47)
YUV	91.3580, -10.0365, -47.6720
Hunter-Lab	38.7482, -26.4266, 14.2923

Details

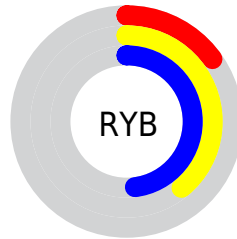
The XYZ color **8.9832, 15.0142, 8.3858** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **10.6335, 6.2555, 10.0983**, and the grayscale version is **10.0536, 10.5771, 11.5185**.

A 20% lighter version of the original color is **23.4297, 34.7339, 23.2387**, and **2.5690, 4.8397, 1.7760** is the 20% darker color. If you saturate the color by 10%, you get **8.3899, 14.7346, 7.1876**, and if you desaturate by 10%, it is **9.7553, 15.3834, 9.7456**.

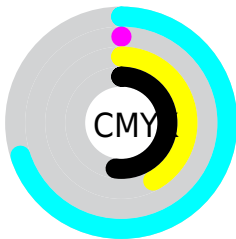
Distribution



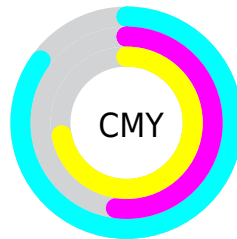
- Red (15%)
- Green (48%)
- Blue (28%)



- Red (15%)
- Yellow (39%)
- Blue (48%)



- Cyan (70%)
- Magenta (0%)
- Yellow (42%)
- Black (52%)





- Cyan (85%)
- Magenta (52%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 8.9832, 15.0142, 8.3858 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 8.9832, 15.0142, 8.3858 by changing the saturation by 10% instead.


 8.9832, 15.0142,
8.3858


 8.9832, 15.0142,
8.3858

177.4622,
223.4522, 188.7736


 4.7872, 8.8294,
4.2515


 23.5320, 34.8781,
23.2699

 2.1564, 4.6300,
1.7643

 34.6155, 49.3259,
34.8568


 0.7196, 2.0319,
0.4043

 48.7256, 67.2969,
49.7649

 0.0000, 0.6259,
0.0000

 66.2277, 89.1753,
68.4129

 0.0000, 0.0000,
0.0000

 87.4870, 115.3457,
91.2192

 112.8690,

146.1923, 118.6024

142.7389,
182.0997, 150.9810

■ 8.9832, 15.0142,
8.3858

■ 8.9832, 15.0142,
8.3858

■ 8.3899, 14.7346,
7.1876

■ 9.7553, 15.3834,
9.7456

■ 7.9575, 14.5344,
6.1437

■ 10.7196, 15.8477,
11.2718

■ 7.6324, 14.3863,
5.2461

■ 11.8893, 16.4143,
12.9705

■ 7.6299, 14.3852,
5.2394

■ 13.2763, 17.0892,
14.8467

■ 14.8913, 17.8779,
16.9057

■ 16.7444, 18.7854,
19.1523

■ 18.8452, 19.8166,
21.5911

■ 21.2026, 20.9760,
24.2266

■ 23.8250, 22.2678,
27.0631

Harmonies

Analogous

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



10.9711, 15.0142, 4.4589



8.9832, 15.0142, 8.3858



8.3465, 15.0142, 16.6408

Triad

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



8.9832, 15.0142, 8.3858



14.3725, 15.0142, 45.7573



21.1755, 15.0142, 8.0667

Complementary

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



8.9832, 15.0142, 8.3858



10.6335, 6.2555, 10.0983

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.



22.4895, 15.0142, 16.0584



8.9832, 15.0142, 8.3858



18.1729, 15.0142, 40.3547

Square

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



8.9832, 15.0142, 8.3858



11.1195, 15.0142, 40.8890



21.3080, 15.0142, 28.2140



17.9668, 15.0142, 4.3375

Rectangle

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



8.9832, 15.0142, 8.3858



8.6705, 15.0142, 24.5765



21.3080, 15.0142, 28.2140



21.8757, 15.0142, 10.1977

Sweetspot

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



8.9836, 15.0148, 8.3861



26.1755, 31.7738, 29.6617



11.6370, 16.4755, 4.3170



6.0065, 7.4059, 6.7864



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



8.9836, 15.0148, 8.3861



14.5156, 26.1486, 11.6900



10.8251, 15.7514, 18.0834



4.0104, 4.4738, 4.5887



7.8901, 14.8797, 5.4064



37.2429, 70.8202, 23.7147

Inverse Universe

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



10.6335, 6.2555, 10.0983



17.6599, 9.3343, 14.8632



9.3441, 5.7397, 3.3082



4.0905, 4.0519, 4.6744



9.7391, 4.8718, 7.1828



46.0283, 23.0677, 32.0087

Previews

White Background



This preview shows how the XYZ color 8.9832, 15.0142, 8.3858 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 8.9832, 15.0142, 8.3858 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 8.9832, 15.0142, 8.3858

Background



This preview shows how black text looks on a background with the XYZ color 8.9832, 15.0142, 8.3858.



This preview shows how white text looks on a background with the XYZ color 8.9832, 15.0142,

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

8.9832, 15.0142, 8.3858

Protanopia

13.6528, 14.8887, 7.1552

Deuteranopia

15.0568, 14.8115, 8.9028



Tritanopia

11.8145, 15.0988, 22.0303

Trichromacy



Original Color

8.9832, 15.0142, 8.3858

Protanomaly

10.9427, 14.2902, 7.4917

Deuteranomaly

11.5313, 14.0792, 8.5884

Tritanomaly

10.5137, 14.9124, 15.9599

Monochromacy



Original Color

8.9832, 15.0142, 8.3858

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

9.0490, 11.6802, 10.1651

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.9832, 15.0142, 8.3858 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(37, 123, 71)` looks like.

```
.text, #text, p{  
    color:rgb(37, 123, 71)  
}
```

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(37, 123, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 123, 71) }
```

Border

The CSS property to change the border of an element to XYZ 8.9832, 15.0142, 8.3858 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(37, 123, 71) }
```


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

```
.border{ border-color:rgb(37, 123, 71) }
```

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

Here you see how a box with a 4 pixel rgb(37, 123, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 123, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 123, 71);  
box-shadow:4px 4px 4px 4px rgb(37, 123,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 8.9832, 15.0142, 8.3858 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 123, 71) }
```

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

```
.background{ background-color: rgb(37, 123,  
71) }
```

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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