

Converting Colors

XYZ(9.3354, 16.1402, 8.5846)

Have a look what the booklet for
XYZ(9.3354, 16.1402, 8.5846)
contains.

XYZ(9.3354, 16.1402, 8.5846)	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(9.3354, 16.1402,
8.5846)**

Conversions

Conversions Part 1

Format	Color
Hex	1C8047
RGB	28, 128, 71
RGB Percent	11%, 50%, 28%
CMY	0.8902, 0.4980, 0.7216
CMYK	0.78, 0.00, 0.45, 0.50
HSL	146°, 64%, 31%
HSV	146°, 78%, 50%
XYZ	9.3354, 16.1402, 8.5846
YIQ	91.6020, -41.3030, -38.9270

Conversions

Conversions Part 2

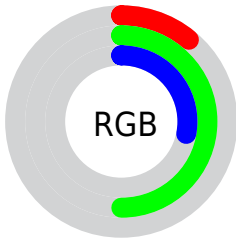
Format	Color
R_{YB}	28, 98, 128
Decimal	1867847
CIE Lab	47.16, -41.54, 23.13
CIE LCh	47, 47.546, 150.886
Yxy	16.1402, 0.2741, 0.4739
Android (android.graphics.Color)	4280057927 (0xFF1C8047)
YUV	91.6020, -10.1568, -55.7790
Hunter-Lab	40.1749, -28.8281, 15.4533

Details

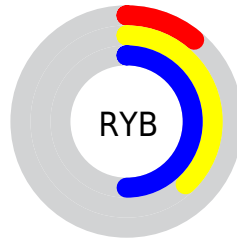
The XYZ color **9.3354, 16.1402, 8.5846** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **10.9575, 6.0759, 9.1900**, and the grayscale version is **10.1110, 10.6375, 11.5842**.

A 20% lighter version of the original color is **24.2379, 36.9358, 23.6212**, and **2.8403, 5.3823, 1.8665** is the 20% darker color. If you saturate the color by 10%, you get **8.8368, 15.9091, 7.4117**, and if you desaturate by 10%, it is **10.0119, 16.4607, 9.9134**.

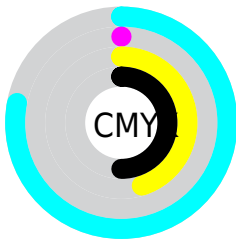
Distribution



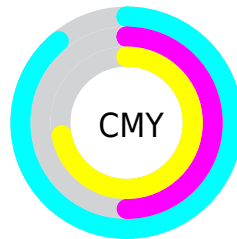
- Red (11%)
- Green (50%)
- Blue (28%)



- Red (11%)
- Yellow (38%)
- Blue (50%)



- Cyan (78%)
- Magenta (0%)
- Yellow (45%)
- Black (50%)





- Cyan (89%)
- Magenta (50%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 9.3354, 16.1402, 8.5846 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 9.3354, 16.1402, 8.5846 by changing the saturation by 10% instead.


 9.3354, 16.1402,
8.5846

 9.3354, 16.1402,
8.5846


180.0152,
230.1676, 190.3506


 5.0194, 9.6234,
4.3781


 24.1989, 36.8414,
23.6616


 2.2936, 5.1500,
1.8350

 35.4772, 51.7947,
35.3692


 0.7914, 2.3355,
0.4509

 49.8069, 70.3288,
50.4143

 0.0000, 0.7924,
0.0000

 67.5535, 92.8283,
69.2154

 0.0000, 0.0000,
0.0000

 89.0822, 119.6776,
92.1910

 114.7585,

151.2609, 119.7597

144.9478,
187.9628, 152.3401

■ 9.3354, 16.1402,
8.5846

■ 9.3354, 16.1402,
8.5846

■ 8.8368, 15.9091,
7.4117

■ 10.0119, 16.4607,
9.9134

■ 8.4734, 15.7440,
6.3864

■ 10.8829, 16.8777,
11.4027

■ 8.4101, 15.7152,
6.2097

■ 11.9644, 17.3996,
13.0583

■ 13.2701, 18.0337,
14.8854

■ 14.8127, 18.7862,
16.8888

■ 16.6038, 19.6630,
19.0732

■ 18.6544, 20.6698,
21.4431

■ 20.9746, 21.8116,
24.0030

■ 23.5740, 23.0934,
26.7569

Harmonies

Analogous

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



11.5735, 16.1402, 4.2964



9.3354, 16.1402, 8.5846



8.6256, 16.1402, 17.9325

Triad

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



9.3354, 16.1402, 8.5846



15.4655, 16.1402, 52.1025



23.3244, 16.1402, 8.2076

Complementary

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



9.3354, 16.1402, 8.5846



10.9575, 6.0759, 9.1900

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.



24.8630, 16.1402, 17.2202



9.3354, 16.1402, 8.5846



19.8480, 16.1402, 45.6567

Square

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



9.3354, 16.1402, 8.5846



11.7529, 16.1402, 46.3330



23.4892, 16.1402, 31.3220



19.5933, 16.1402, 4.1587

Rectangle

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



9.3354, 16.1402, 8.5846



8.9898, 16.1402, 27.1248



23.4892, 16.1402, 31.3220



24.1426, 16.1402, 10.5782

Sweetspot

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



9.3358, 16.1409, 8.5850



27.4726, 33.7562, 31.4613



11.7978, 17.5172, 3.8580



6.2095, 7.7944, 7.0914



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



9.3358, 16.1409, 8.5850



15.0528, 27.7808, 11.5791



11.5685, 17.0339, 20.3423



4.3468, 4.8471, 4.9976



8.3395, 15.5824, 6.1606



0.0000, 0.0000, 0.0000

Inverse Universe

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



10.9575, 6.0759, 9.1900



18.0218, 9.1920, 12.5672



9.6413, 5.5494, 2.2590



4.4224, 4.3821, 5.0289



10.0189, 5.0273, 6.6893



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 9.3354, 16.1402, 8.5846 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 9.3354, 16.1402, 8.5846 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 9.3354, 16.1402, 8.5846

Background



This preview shows how black text looks on a background with the XYZ color 9.3354, 16.1402, 8.5846.



This preview shows how white text looks on a background with the XYZ color 9.3354, 16.1402,

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

9.3354, 16.1402, 8.5846

Protanopia

14.6646, 15.8881, 7.2948

Deuteranopia

16.1314, 15.8164, 9.0401



Tritanopia

12.4554, 16.0977, 23.9234

Trichromacy



Original Color

9.3354, 16.1402, 8.5846

Protanomaly

11.3989, 15.2025, 7.6438

Deuteranomaly

11.9727, 14.9619, 8.7355

Tritanomaly

11.0502, 16.0773, 16.9888

Monochromacy



Original Color

9.3354, 16.1402, 8.5846

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

9.1061, 12.0085, 10.2254

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.3354, 16.1402, 8.5846 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(28, 128, 71)` looks like.

```
.text, #text, p{  
    color:rgb(28, 128, 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(28, 128, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 128, 71) }
```

Border

The CSS property to change the border of an element to XYZ 9.3354, 16.1402, 8.5846 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(28, 128, 71) }
```


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

```
.border{ border-color:rgb(28, 128, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(28, 128, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 128, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 128, 71);  
box-shadow:4px 4px 4px 4px rgb(28, 128,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 9.3354, 16.1402, 8.5846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 128, 71) }
```

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

```
.background{ background-color: rgb(28, 128,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor