

Converting Colors

XYZ(28.9747, 40.5635, 16.7951)

Have a look what the booklet for
XYZ(28.9747, 40.5635, 16.7951)
contains.

XYZ(28.8851, 40.4116, 16.8675)	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(28.8851, 40.4116,
16.8675)**

Conversions

Conversions Part 1

Format	Color
Hex	84B95E
RGB	132, 185, 94
RGB Percent	52%, 73%, 37%
CMY	0.4824, 0.2745, 0.6314
CMYK	0.29, 0.00, 0.49, 0.27
HSL	95°, 39%, 55%
HSV	95°, 49%, 73%
XYZ	28.8851, 40.4116, 16.8675
YIQ	158.7790, -2.3770, -39.5370

Conversions

Conversions Part 2

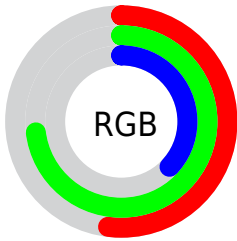
Format	Color
RYB	94, 185, 147
Decimal	8698206
CIELab	69.76, -33.50, 40.45
CIELCh	70, 52.522, 129.631
Yxy	40.4116, 0.3352, 0.4690
Android (android.graphics.Color)	4286888286 (0xFF84B95E)
YUV	158.7790, -31.9360, -23.4852
Hunter-Lab	63.5701, -30.1406, 28.7673

Details

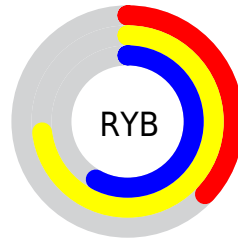
The XYZ color **28.8851, 40.4116, 16.8675** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **24.7940, 17.7124, 48.0132**, and the grayscale version is **32.9966, 34.7150, 37.8047**.

A 20% lighter version of the original color is **57.1371, 75.5507, 38.7654**, and **11.9303, 18.3466, 5.2953** is the 20% darker color. If you saturate the color by 10%, you get **26.5538, 39.2957, 12.9324**, and if you desaturate by 10%, it is **31.5915, 41.7003, 21.8604**.

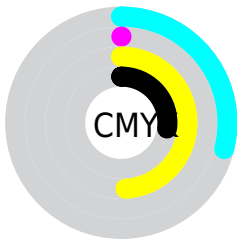
Distribution



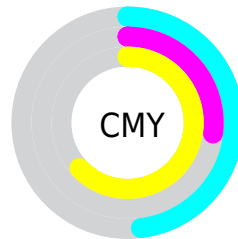
- Red (52%)
- Green (73%)
- Blue (37%)



- Red (37%)
- Yellow (73%)
- Blue (58%)



- Cyan (29%)
- Magenta (0%)
- Yellow (49%)
- Black (27%)





- Cyan (48%)
- Magenta (27%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.8851, 40.4116, 16.8675 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 28.8851, 40.4116, 16.8675 by changing the saturation by 10% instead.


 28.8851, 40.4116,
16.8675


 28.8851, 40.4116,
16.8675


288.6764,
347.8554, 246.4257

 19.1378, 27.8596,
9.9791


 57.2933, 75.7899,
38.8853

 11.8745, 18.2199,
5.2797


 76.6849, 99.3850,
54.8519

 6.7298, 11.1079,
2.3507


 100.0219,
127.4298, 74.6815

 3.3385, 6.1395,
0.7594

 127.6698,
160.3089, 98.7929

 1.3352, 2.9301,
0.0000

159.9938,
198.4067, 127.6044

 0.2093, 1.0953,
0.0000

197.3593,

 0.0000, 0.0000,

242.1074, 161.5347

0.0000

240.1318,
291.7955, 201.0023

■ 28.8851, 40.4116,
16.8675

■ 28.8851, 40.4116,
16.8675

■ 26.5538, 39.2957,
12.9324

■ 31.5915, 41.7003,
21.8604

■ 24.5748, 38.3389,
9.9760

■ 34.6880, 43.1645,
27.9772

■ 22.9273, 37.5336,
7.9127


■ 38.1923, 44.8130,
35.2819


■ 21.5862, 36.8689,
6.6406


■ 42.1203, 46.6527,
43.8327


■ 20.5100, 36.3278,
5.9741

■ 46.4865, 48.6901,
53.6841

 20.4305, 36.2877,
5.9274

 51.3051, 50.9312,
64.8874

 56.5895, 53.3819,
77.4909

 62.3523, 56.0477,
91.5409

 67.7065, 58.5743,
102.3452

Harmonies

Analogous

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



35.7356, 40.4116, 12.0728



28.8851, 40.4116, 16.8675



25.0153, 40.4116, 29.6155

Triad

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



28.8851, 40.4116, 16.8675



32.9886, 40.4116, 104.2195



56.9180, 40.4116, 36.6140

Complementary

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



28.8851, 40.4116, 16.8675



24.7940, 17.7124, 48.0132

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.



55.8934, 40.4116, 62.4228



28.8851, 40.4116, 16.8675



41.2146, 40.4116, 108.3075

Square

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



28.8851, 40.4116, 16.8675



27.1302, 40.4116, 81.1960



49.8277, 40.4116, 90.8935



52.4495, 40.4116, 20.3584

Rectangle

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



28.8851, 40.4116, 16.8675



24.2542, 40.4116, 43.6998



49.8277, 40.4116, 90.8935



57.2180, 40.4116, 44.3043

Sweetspot

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



28.8861, 40.4134, 16.8684



71.0811, 81.5137, 68.9539



32.2418, 31.5484, 14.9804



15.0139, 17.4275, 14.1965



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



28.8861, 40.4134, 16.8684



47.2584, 70.2320, 22.6893



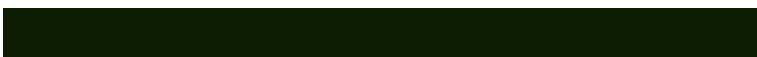
24.2698, 38.0008, 18.1299



9.2362, 10.2384, 9.5963



13.9898, 24.7483, 4.0396



0.5641, 0.9090, 0.1457

Inverse Universe

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



24.7940, 17.7124, 48.0132



39.0510, 24.8420, 84.9414



32.1418, 21.5728, 45.0844



9.0087, 8.9708, 11.3362



10.2377, 4.5889, 31.5992



0.4297, 0.1972, 1.1172

Previews

White Background



This preview shows how the XYZ color 28.8851, 40.4116, 16.8675 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 28.8851, 40.4116, 16.8675 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

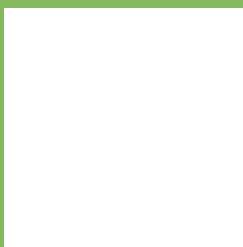
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.8851, 40.4116, 16.8675

Background



This preview shows how black text looks on a background with the XYZ color 28.8851, 40.4116, 16.8675.



This preview shows how white text looks on a background with the XYZ color 28.8851, 40.4116,

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

28.8851, 40.4116, 16.8675

Protanopia

36.6714, 40.0355, 15.2460

Deuteranopia

40.6742, 39.8826, 17.6109



Tritanopia

36.2611, 40.4018, 53.4641

Trichromacy



Original Color

28.8851, 40.4116, 16.8675

Protanomaly

33.1546, 39.6308, 15.7996

Deuteranomaly

35.1697, 39.2150, 17.2709

Tritanomaly

32.9373, 40.2360, 36.6022

Monochromacy



Original Color

28.8851, 40.4116, 16.8675

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

30.7702, 36.1441, 28.2764

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.8851, 40.4116, 16.8675 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(132, 185, 94)` looks like.

```
.text, #text, p{  
    color:rgb(132, 185, 94)  
}
```

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(132, 185, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 185, 94) }
```

Border

The CSS property to change the border of an element to XYZ 28.8851, 40.4116, 16.8675 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(132, 185, 94) }
```


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

```
.border{ border-color:rgb(132, 185, 94) }
```

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

Here you see how a box with a 4 pixel rgb(132, 185, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 185, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 185, 94);  
box-shadow:4px 4px 4px 4px rgb(132, 185,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 28.8851, 40.4116, 16.8675 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 185, 94) }
```

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

```
.background{ background-color: rgb(132,  
185, 94) }
```

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