

Converting Colors

XYZ(29.3740, 39.9182, 18.4823)

Have a look what the booklet for
XYZ(29.3740, 39.9182, 18.4823)
contains.

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Color

**XYZ(29.4358, 40.0408,
18.4891)**

Conversions

Conversions Part 1

Format	Color
Hex	88B765
RGB	136, 183, 101
RGB Percent	53%, 72%, 40%
CMY	0.4667, 0.2823, 0.6039
CMYK	0.26, 0.00, 0.45, 0.28
HSL	94°, 36%, 56%
HSV	94°, 45%, 72%
XYZ	29.4358, 40.0408, 18.4891
YIQ	159.5990, -1.6900, -35.4660

Conversions

Conversions Part 2

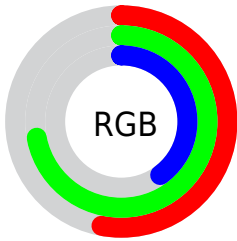
Format	Color
RYB	101, 183, 148
Decimal	8959845
CIELab	69.50, -30.24, 36.66
CIELCh	69, 47.525, 129.522
Yxy	40.0408, 0.3346, 0.4552
Android (android.graphics.Color)	4287149925 (0xFF88B765)
YUV	159.5990, -28.8893, -20.6963
Hunter-Lab	63.2778, -27.7009, 26.9706

Details

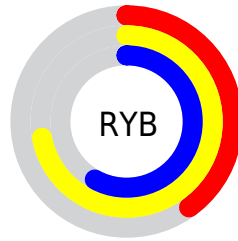
The XYZ color **29.4358, 40.0408, 18.4891** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **25.4154, 19.0233, 47.1343**, and the grayscale version is **33.3592, 35.0964, 38.2200**.

A 20% lighter version of the original color is **58.1021, 75.1093, 41.5722**, and **12.2586, 18.0980, 6.0960** is the 20% darker color. If you saturate the color by 10%, you get **27.0163, 38.8871, 14.2054**, and if you desaturate by 10%, it is **32.2237, 41.3638, 23.8338**.

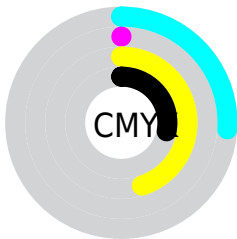
Distribution



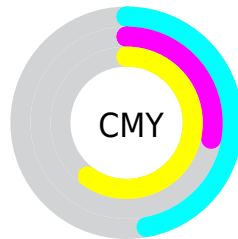
- Red (53%)
- Green (72%)
- Blue (40%)



- Red (40%)
- Yellow (72%)
- Blue (58%)



- Cyan (26%)
- Magenta (0%)
- Yellow (45%)
- Black (28%)





- Cyan (47%)
- Magenta (28%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.4358, 40.0408, 18.4891 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 29.4358, 40.0408, 18.4891 by changing the saturation by 10% instead.


 29.4358, 40.0408,
18.4891


 29.4358, 40.0408,
18.4891


291.2229,
346.2955, 255.9416


 19.5567, 27.5704,
11.1286

 58.1616, 75.2256,
41.6941


 12.1796, 18.0020,
6.0382


 77.7389, 98.7088,
58.3758

 6.9392, 10.9515,
2.7991


 101.2797,
126.6317, 79.0016

 3.4701, 6.0342,
0.9930

 129.1493,
159.3787, 103.9901

 1.4070, 2.8659,
0.0000

161.7131,
197.3342, 133.7598

 0.2612, 1.0621,
0.0000

199.3364,

 0.0000, 0.0000,

240.8825, 168.7292

0.0000

242.3845,
290.4082, 209.3170

■ 29.4358, 40.0408,
18.4891

■ 29.4358, 40.0408,
18.4891

■ 27.0163, 38.8871,
14.2054

■ 32.2237, 41.3638,
23.8338

■ 24.9442, 37.8896,
10.9093

■ 35.3938, 42.8582,
30.3013

■ 23.2002, 37.0416,
8.5222


■ 38.9627, 44.5324,
37.9517


■ 21.7618, 36.3334,
6.9522


■ 42.9450, 46.3928,
46.8399


■ 20.6025, 35.7536,
6.0881

■ 47.3547, 48.4454,
57.0176

 20.0849, 35.4928,
5.7922

 52.2048, 50.6958,
68.5334

 57.5080, 53.1497,
81.4335

 63.2762, 55.8121,
95.7618

 67.7488, 57.9794,
102.2281

Harmonies

Analogous

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



35.6736, 40.0408, 13.8325



29.4358, 40.0408, 18.4891



25.8637, 40.0408, 30.4466

Triad

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



29.4358, 40.0408, 18.4891



33.1354, 40.0408, 96.2320



54.5034, 40.0408, 36.9877

Complementary

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



29.4358, 40.0408, 18.4891



25.4154, 19.0233, 47.1343

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.



53.5842, 40.0408, 60.0765



29.4358, 40.0408, 18.4891



40.5455, 40.0408, 99.8081

Square

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



29.4358, 40.0408, 18.4891



27.7924, 40.0408, 76.3136



48.2172, 40.0408, 84.8847



50.5824, 40.0408, 21.8925

Rectangle

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



29.4358, 40.0408, 18.4891



25.1515, 40.0408, 43.2465



48.2172, 40.0408, 84.8847



54.7609, 40.0408, 43.9506

Sweetspot

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



29.4368, 40.0425, 18.4900



70.8648, 80.2615, 70.3539



32.3854, 32.0213, 16.7863



15.3207, 17.5723, 14.8126



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.



29.4368, 40.0425, 18.4900



48.3500, 69.6267, 25.3841



24.9274, 37.6859, 19.7242



9.2440, 10.2424, 9.5967



14.0861, 24.7980, 4.0441



0.5677, 0.9108, 0.1459

Inverse Universe

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



25.4154, 19.0233, 47.1343



40.1944, 27.0848, 83.3451



32.1728, 22.5713, 44.5373



9.0006, 8.9667, 11.3358



10.0981, 4.5169, 31.5927



0.4252, 0.1949, 1.1170

Previews

White Background



This preview shows how the XYZ color 29.4358, 40.0408, 18.4891 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 29.4358, 40.0408, 18.4891 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

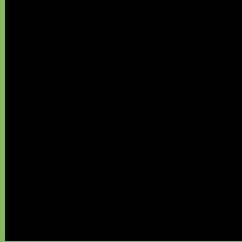
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.4358, 40.0408, 18.4891

Background



This preview shows how black text looks on a background with the XYZ color 29.4358, 40.0408, 18.4891.



This preview shows how white text looks on a background with the XYZ color 29.4358, 40.0408,

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

29.4358, 40.0408, 18.4891

Protanopia

36.5490, 39.6596, 16.7951

Deuteranopia

40.4237, 39.7186, 19.1716



Tritanopia

36.3076, 39.8646, 52.7947

Trichromacy



Original Color

29.4358, 40.0408, 18.4891

Protanomaly

33.4891, 39.4788, 17.4104

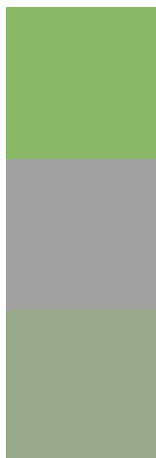
Deuteranomaly

35.4638, 39.3326, 18.8195

Tritanomaly

33.2245, 39.7739, 37.3785

Monochromacy



Original Color

29.4358, 40.0408, 18.4891

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

31.4253, 36.4487, 29.8051

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.4358, 40.0408, 18.4891 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(136, 183, 101)` looks like.

```
.text, #text, p{  
    color:rgb(136, 183, 101)  
}
```

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(136, 183, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 183, 101) }
```

Border

The CSS property to change the border of an element to XYZ 29.4358, 40.0408, 18.4891 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(136, 183, 101) }
```


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

```
.border{ border-color:rgb(136, 183, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 183, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 183, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 183, 101);  
box-shadow:4px 4px 4px 4px rgb(136, 183,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 29.4358, 40.0408, 18.4891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 183, 101) }
```

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

```
.background{ background-color: rgb(136,  
183, 101) }
```

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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