

Converting Colors

XYZ(30.9107, 40.0856, 16.8431)

Have a look what the booklet for
XYZ(30.9107, 40.0856, 16.8431)
contains.

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Color

**XYZ(30.9839, 40.2635,
16.9651)**

Conversions

Conversions Part 1

Format	Color
Hex	95B55F
RGB	149, 181, 95
RGB Percent	58%, 71%, 37%
CMY	0.4157, 0.2902, 0.6274
CMYK	0.18, 0.00, 0.48, 0.29
HSL	82°, 37%, 54%
HSV	82°, 48%, 71%
XYZ	30.9839, 40.2635, 16.9651
YIQ	161.6280, 8.5340, -33.5300

Conversions

Conversions Part 2

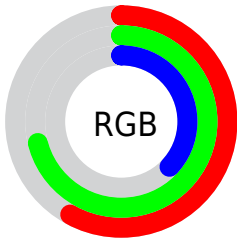
Format	Color
RYB	95, 181, 127
Decimal	9811295
CIELab	69.66, -25.10, 40.06
CIElCh	70, 47.275, 122.063
Yxy	40.2635, 0.3512, 0.4564
Android (android.graphics.Color)	4288001375 (0xFF95B55F)
YUV	161.6280, -32.8476, -11.0748
Hunter-Lab	63.4535, -23.8834, 28.5655

Details

The XYZ color **30.9839, 40.2635, 16.9651** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **21.1866, 16.0337, 45.6964**, and the grayscale version is **34.3154, 36.1025, 39.3156**.

A 20% lighter version of the original color is **60.7275, 75.6541, 39.0058**, and **13.0167, 18.1146, 5.2930** is the 20% darker color. If you saturate the color by 10%, you get **29.0616, 39.3581, 13.0682**, and if you desaturate by 10%, it is **33.1704, 41.2856, 21.8738**.

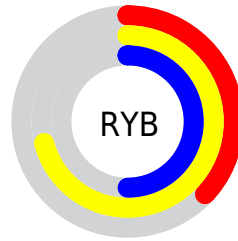
Distribution



Red (58%)

Green (71%)

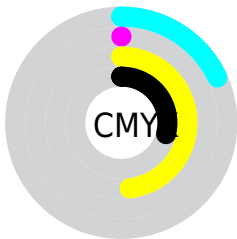
Blue (37%)



Red (37%)

Yellow (71%)

Blue (50%)

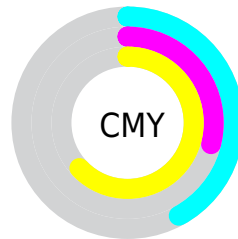


Cyan (18%)

Magenta (0%)

Yellow (48%)

Black (29%)



Cyan (42%)


Magenta (29%)


Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.9839, 40.2635, 16.9651 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 30.9839, 40.2635, 16.9651 by changing the saturation by 10% instead.


 30.9839, 40.2635,
16.9651


 30.9839, 40.2635,
16.9651


298.2923,
347.2329, 247.0083


 20.7384, 27.7441,
10.0479


 60.5907, 75.5646,
39.0556

 13.0443, 18.1328,
5.3247


 80.6827, 99.1150,
55.0660

 7.5362, 11.0454,
2.3770

 104.7876,
127.1112, 74.9445

 3.8489, 6.0974,
0.7739

 133.2707,
159.9376, 99.1097

 1.6170, 2.9044,
0.0000

166.4974,
197.9786, 127.9802

 0.4035, 1.0820,
0.0000

204.8329,

 0.0000, 0.0000,

241.6186, 161.9744

0.0000

248.6428,
291.2419, 201.5109

■ 30.9839, 40.2635,
16.9651

■ 30.9839, 40.2635,
16.9651

■ 29.0616, 39.3581,
13.0682

■ 33.1704, 41.2856,
21.8738

■ 27.3860, 38.5580,
10.1098

■ 35.6316, 42.4245,
27.8558

■ 25.9417, 37.8584,
8.0107


■ 38.3805, 43.6870,
34.9706


■ 24.7096, 37.2515,
6.6777


■ 41.4288, 45.0779,
43.2728


■ 23.6620, 36.7260,
5.9709


■ 44.7872, 46.6015,
52.8131

 23.4183, 36.6032,
5.8309

 48.4657, 48.2620,
63.6397

 52.4741, 50.0635,
75.7979

 56.8216, 52.0096,
89.3309

 61.0454, 53.9156,
101.7970

Harmonies

Analogous

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



37.7424, 40.2635, 13.7908



30.9839, 40.2635, 16.9651



26.6958, 40.2635, 26.9263

Triad

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



30.9839, 40.2635, 16.9651



31.7871, 40.2635, 92.5449



54.9200, 40.2635, 42.3417

Complementary

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



30.9839, 40.2635, 16.9651



21.1866, 16.0337, 45.6964

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.



52.7810, 40.2635, 66.6698



30.9839, 40.2635, 16.9651



38.8010, 40.2635, 100.8079

Square

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



30.9839, 40.2635, 16.9651



27.1142, 40.2635, 70.2025



46.6155, 40.2635, 90.0728



52.1279, 40.2635, 25.0734

Rectangle

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



30.9839, 40.2635, 16.9651



25.4781, 40.2635, 38.2801



46.6155, 40.2635, 90.0728



54.7532, 40.2635, 49.9140

Sweetspot

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



30.9849, 40.2653, 16.9660



70.4658, 79.0299, 67.2661



28.6523, 25.7098, 14.2794



14.9862, 16.9696, 13.8828



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



30.9849, 40.2653, 16.9660



51.9055, 70.4192, 23.1372



24.5902, 36.9687, 16.6667



8.8844, 9.7455, 9.0653



16.2219, 25.2728, 4.0231



0.5723, 0.8271, 0.1295

Inverse Universe

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



21.1866, 16.0337, 45.6964



32.2752, 21.8036, 80.8020



28.9110, 20.0158, 46.0579



8.3308, 8.3790, 10.6846



7.4334, 3.1679, 30.3567



0.2997, 0.1336, 0.9582

Previews

White Background



This preview shows how the XYZ color 30.9839, 40.2635, 16.9651 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 30.9839, 40.2635, 16.9651 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

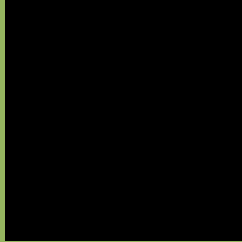
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.9839, 40.2635, 16.9651

Background



This preview shows how black text looks on a background with the XYZ color 30.9839, 40.2635, 16.9651.



This preview shows how white text looks on a background with the XYZ color 30.9839, 40.2635,

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

30.9839, 40.2635, 16.9651

Protanopia

36.7566, 40.0696, 15.6945

Deuteranopia

40.6742, 39.8826, 17.6109



Tritanopia

38.0178, 40.2057, 51.6557

Trichromacy



Original Color

30.9839, 40.2635, 16.9651

Protanomaly

34.3014, 39.9290, 16.0244

Deuteranomaly

36.4002, 39.5721, 17.2750

Tritanomaly

34.9021, 40.0950, 35.6053

Monochromacy



Original Color

30.9839, 40.2635, 16.9651

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

32.6800, 37.3790, 29.5372

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.9839, 40.2635, 16.9651 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(149, 181, 95)` looks like.

```
.text, #text, p{  
    color:rgb(149, 181, 95)  
}
```

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(149, 181, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 181, 95) }
```

Border

The CSS property to change the border of an element to XYZ 30.9839, 40.2635, 16.9651 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(149, 181, 95) }
```


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

```
.border{ border-color:rgb(149, 181, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 181, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 181, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 181, 95);  
box-shadow:4px 4px 4px 4px rgb(149, 181,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 30.9839, 40.2635, 16.9651 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 181, 95) }
```

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

```
.background{ background-color: rgb(149,  
181, 95) }
```

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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