

Converting Colors

Yxy(31.3167, 0.2896, 0.4392)

Have a look what the booklet for
Yxy(31.3167, 0.2896, 0.4392)
contains.

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Color

Yxy(31.4114, 0.2892, 0.4390)

Conversions

Conversions Part 1

Format	Color
Hex	55A96D
RGB	85, 169, 109
RGB Percent	33%, 66%, 43%
CMY	0.6668, 0.3372, 0.5724
CMYK	0.50, 0.00, 0.35, 0.34
HSL	137°, 33%, 50%
HSV	137°, 50%, 66%
XYZ	20.6929, 31.4114, 19.4479
YIQ	137.0440, -30.8040, -36.4680

Conversions

Conversions Part 2

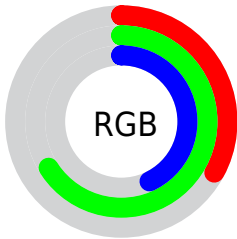
Format	Color
RYB	85, 150, 169
Decimal	5613933
CIELab	62.85, -39.09, 23.32
CIELCh	63, 45.522, 149.183
Yxy	31.4114, 0.2892, 0.4390
Android (android.graphics.Color)	4283804013 (0xFF55A96D)
YUV	137.0440, -13.8257, -45.6426
Hunter-Lab	56.0459, -32.1757, 18.6585

Details

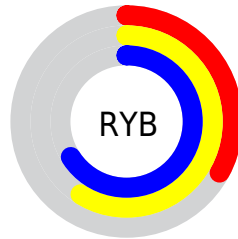
The Yxy color **31.4114, 0.2892, 0.4390** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **16.9687, 0.3510, 0.2410**, and the grayscale version is **25.0934, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.9991, 0.2954, 0.4146**, and **13.0473, 0.2773, 0.4815** is the 20% darker color. If you saturate the color by 10%, you get **30.4721, 0.2864, 0.4659**, and if you desaturate by 10%, it is **32.5778, 0.2930, 0.4130**.

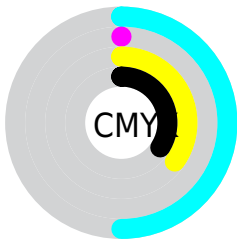
Distribution



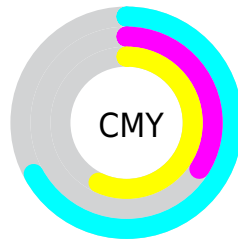
- Red (33%)
- Green (66%)
- Blue (43%)



- Red (33%)
- Yellow (59%)
- Blue (66%)



- Cyan (50%)
- Magenta (0%)
- Yellow (35%)
- Black (34%)





- Cyan (67%)
- Magenta (34%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.4114, 0.2892, 0.4390 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 Yxy color 31.4114, 0.2892, 0.4390 by changing the saturation by 10% instead.


 31.4114, 0.2892,
0.4390


 31.4114, 0.2892,
0.4390


308.4292, 0.3036,
0.3769

 20.9123, 0.2845,
0.4572


 61.8872, 0.2952,
0.4145


 13.0599, 0.2775,
0.4825


 82.6327, 0.2972,
0.4059

 7.4698, 0.2666,
0.5195


 107.5625, 0.2988,
0.3989

 3.7576, 0.2475,
0.5781

 137.0609, 0.3001,
0.3930

 1.5389, 0.2055,
0.7945

171.5124, 0.3012,
0.3881

 0.3159, 0.0000,
1.0000

211.3014, 0.3021,

 0.0000, 0.0000,

0.3838

0.0000

256.8122, 0.3029,
0.3802

■ 31.4114, 0.2892,
0.4390

■ 31.4114, 0.2892,
0.4390

■ 30.4721, 0.2864,
0.4659

■ 32.5778, 0.2930,
0.4130

■ 29.7409, 0.2850,
0.4928

■ 33.9812, 0.2975,
0.3887

■ 29.2021, 0.2850,
0.5185


■ 35.6353, 0.3025,
0.3664


■ 28.8357, 0.2867,
0.5416

■ 37.5519, 0.3076,
0.3464

■ 28.6010, 0.2893,
0.5612


■ 39.7419, 0.3129,
0.3286

 28.5953, 0.2894,
0.5617

 42.2155, 0.3180,
0.3129

 44.9827, 0.3229,
0.2991

 48.0525, 0.3277,
0.2871

 51.4340, 0.3321,
0.2767

Harmonies

Analogous

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



31.4114, 0.3590, 0.4625



31.4114, 0.2892, 0.4390



31.4114, 0.2295, 0.3716

Triad

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



31.4114, 0.2892, 0.4390



31.4114, 0.2084, 0.2205



31.4114, 0.4471, 0.3376

Complementary

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



31.4114, 0.2892, 0.4390



16.9687, 0.3510, 0.2410

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.



31.4114, 0.3970, 0.2865



31.4114, 0.2892, 0.4390



31.4114, 0.2554, 0.2223

Square

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



31.4114, 0.2892, 0.4390



31.4114, 0.1877, 0.2444



31.4114, 0.3239, 0.2458



31.4114, 0.4542, 0.3916

Rectangle

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



31.4114, 0.2892, 0.4390



31.4114, 0.2029, 0.3202



31.4114, 0.3239, 0.2458



31.4114, 0.4346, 0.3199

Sweetspot

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



31.4127, 0.2892, 0.4390



65.2872, 0.3048, 0.3572



35.0711, 0.3599, 0.4584



14.0823, 0.3037, 0.3613



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



31.4127, 0.2892, 0.4390



54.3717, 0.2862, 0.4696



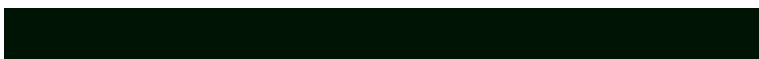
32.5357, 0.2603, 0.3604



8.4418, 0.3079, 0.3455



21.3182, 0.2889, 0.5599



0.5273, 0.2701, 0.4924

Inverse Universe

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



16.9687, 0.3510, 0.2410



25.4018, 0.3632, 0.2241



15.9090, 0.4182, 0.3015



7.6294, 0.3179, 0.3130



7.3177, 0.4077, 0.2019



0.1862, 0.3733, 0.1830

Previews

White Background



This preview shows how the Yxy color 31.4114, 0.2892, 0.4390 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 Yxy color 31.4114, 0.2892, 0.4390 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](#).

Yxy 31.4114, 0.2892, 0.4390

Background



This preview shows how black text looks on a background with the Yxy color 31.4114, 0.2892, 0.4390.



This preview shows how white text looks on a background with the Yxy color 31.4114, 0.2892, 0.4390.

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

31.4114, 0.2892, 0.4390

Protanopia

30.9850, 0.3747, 0.4035

Deuteranopia

30.9307, 0.3813, 0.3741



Tritanopia

31.3124, 0.2530, 0.3076

Trichromacy



Original Color

31.4114, 0.2892, 0.4390



Protanomaly

30.6245, 0.3376, 0.4174



Deuteranomaly

30.2103, 0.3419, 0.3976



Tritanomaly

31.1858, 0.2661, 0.3531

Monochromacy



Original Color

31.4114, 0.2892, 0.4390



Achromatopsia

25.0158, 0.3127, 0.3290



Achromatomaly

26.8788, 0.3019, 0.3680

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.4114, 0.2892, 0.4390 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(85, 169, 109)` looks like.

```
.text, #text, p{  
    color:rgb(85, 169, 109)  
}
```

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(85, 169, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 169, 109) }
```

Border

The CSS property to change the border of an element to Yxy 31.4114, 0.2892, 0.4390 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(85, 169, 109) }
```

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

```
.border{ border-color:rgb(85, 169, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 169, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 169, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 169, 109);  
box-shadow:4px 4px 4px 4px rgb(85, 169,  
109) }
```


Background

The CSS property to change the background color of an element to Yxy 31.4114, 0.2892, 0.4390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 169, 109) }
```

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

```
.background{ background-color: rgb(85, 169,  
109) }
```

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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