

Converting Colors

Yxy(50.2194, 0.3011, 0.5628)

Have a look what the booklet for
Yxy(50.2194, 0.3011, 0.5628)
contains.

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Color

Yxy(50.2194, 0.3011, 0.5628)

Conversions

Conversions Part 1

Format	Color
Hex	37D839
RGB	55, 216, 57
RGB Percent	22%, 85%, 22%
CMY	0.7845, 0.1529, 0.7766
CMYK	0.75, 0.00, 0.74, 0.15
HSL	121°, 67%, 53%
HSV	121°, 75%, 85%
XYZ	26.8676, 50.2194, 12.1444
YIQ	149.7350, -44.9170, -83.5810

Conversions

Conversions Part 2

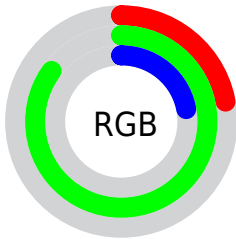
Format	Color
RYB	55, 214, 216
Decimal	3659833
CIELab	76.20, -69.28, 62.70
CIELCh	76, 93.443, 137.856
Yxy	50.2194, 0.3011, 0.5628
Android (android.graphics.Color)	4281849913 (0xFF37D839)
YUV	149.7350, -45.7184, -83.0826
Hunter-Lab	70.8656, -56.3395, 39.4453

Details

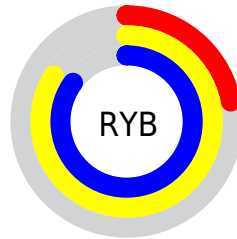
The Yxy color **50.2194, 0.3011, 0.5628** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **22.1825, 0.3225, 0.1710**, and the grayscale version is **30.5873, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.1705, 0.3100, 0.5047**, and **25.1416, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **49.5698, 0.3003, 0.5836**, and if you desaturate by 10%, it is **51.2292, 0.3023, 0.5346**.

Distribution



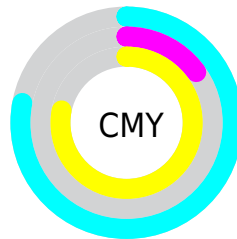
- Red (22%)
- Green (85%)
- Blue (22%)



- Red (22%)
- Yellow (84%)
- Blue (85%)



- Cyan (75%)
- Magenta (0%)
- Yellow (74%)
- Black (15%)





- Cyan (78%)
- Magenta (15%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.2194, 0.3011, 0.5628 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 50.2194, 0.3011, 0.5628 by changing the saturation by 10% instead.


 50.2194, 0.3011,
0.5628

 50.2194, 0.3011,
0.5628

387.5233, 0.3162,
0.4388

 35.5878, 0.2939,
0.5940


 90.4999, 0.3091,
0.5171

 24.1160, 0.2827,
0.6330


 116.9175, 0.3113,
0.5000


 15.4197, 0.2645,
0.6823


 148.0325, 0.3129,
0.4857

 9.1145, 0.2396,
0.7604

 184.2294, 0.3140,
0.4735

 4.8159, 0.1841,
0.8159

 225.8926, 0.3148,
0.4630

 2.1397, 0.0063,
0.9937

273.4063, 0.3154,


 0.6868, 0.0000,


0.4538


1.0000


327.1551, 0.3158,
0.4459


 0.0000, 0.0000,
0.0000


 50.2194, 0.3011,
0.5628


 50.2194, 0.3011,
0.5628


 49.5698, 0.3003,
0.5836


 51.2292, 0.3023,
0.5346

 49.2243, 0.3000,
0.5957


 52.6338, 0.3038,
0.5014

 49.1213, 0.2998,
0.5993


 54.4707, 0.3056,
0.4660


 56.7714, 0.3073,
0.4307

 59.5644, 0.3090,
0.3974

 62.8758, 0.3106,
0.3671

 66.7302, 0.3121,
0.3401

 71.1503, 0.3134,
0.3166

 76.1577, 0.3145,
0.2963

Harmonies

Analogous

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



50.2194, 0.4099, 0.5398



50.2194, 0.3011, 0.5628



50.2194, 0.2004, 0.4615

Triad

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



50.2194, 0.3011, 0.5628



50.2194, 0.1345, 0.1648



50.2194, 0.5213, 0.2992

Complementary

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



50.2194, 0.3011, 0.5628



22.1825, 0.3225, 0.1710

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.



50.2194, 0.4100, 0.2319



50.2194, 0.3011, 0.5628



50.2194, 0.1859, 0.1587

Square

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



50.2194, 0.3011, 0.5628



50.2194, 0.1185, 0.2087



50.2194, 0.2803, 0.1821



50.2194, 0.5523, 0.3745

Rectangle

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



50.2194, 0.3011, 0.5628



50.2194, 0.1531, 0.3569



50.2194, 0.2803, 0.1821



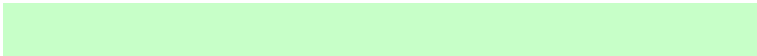
50.2194, 0.4910, 0.2756

Sweetspot

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



50.2215, 0.3011, 0.5628



87.8001, 0.3094, 0.3900



63.9907, 0.4099, 0.4896



18.5284, 0.3090, 0.3986



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



50.2215, 0.3011, 0.5628



71.8660, 0.3001, 0.5911



51.6892, 0.2686, 0.4546



13.8985, 0.3114, 0.3528



29.0739, 0.2998, 0.5991



1.7545, 0.2990, 0.5964

Inverse Universe

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



22.1825, 0.3225, 0.1710



29.1307, 0.3236, 0.1591



19.0910, 0.4361, 0.2442



12.6299, 0.3140, 0.3063



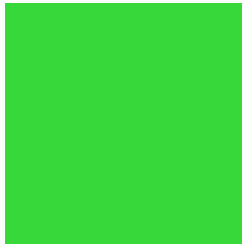
11.4946, 0.3241, 0.1559



0.6942, 0.3235, 0.1556

Previews

White Background



This preview shows how the Yxy color 50.2194, 0.3011, 0.5628 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 50.2194, 0.3011, 0.5628 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

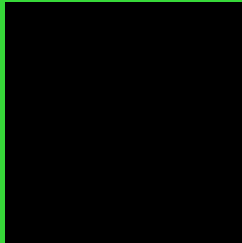
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

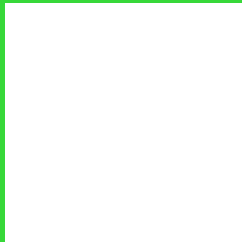
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.2194, 0.3011, 0.5628

Background



This preview shows how black text looks on a background with the Yxy color 50.2194, 0.3011, 0.5628.



This preview shows how white text looks on a background with the Yxy color 50.2194, 0.3011, 0.5628.

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

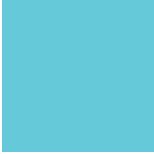
50.2194, 0.3011, 0.5628

Protanopia

49.3177, 0.4290, 0.4742

Deuteranopia

49.0680, 0.4472, 0.4373



Tritanopia

49.6600, 0.2401, 0.3055

Trichromacy



Original Color

50.2194, 0.3011, 0.5628



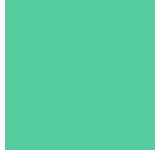
Protanomaly

47.4084, 0.3692, 0.5155



Deuteranomaly

45.9917, 0.3804, 0.4888



Tritanomaly

48.5771, 0.2648, 0.4010

Monochromacy



Original Color

50.2194, 0.3011, 0.5628



Achromatopsia

30.4987, 0.3127, 0.3290



Achromatomaly

35.1779, 0.3073, 0.4263

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.2194, 0.3011, 0.5628 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(55, 216, 57)` looks like.

```
.text, #text, p{  
    color:rgb(55, 216, 57)  
}
```

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(55, 216, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 216, 57) }
```

Border

The CSS property to change the border of an element to Yxy 50.2194, 0.3011, 0.5628 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(55, 216, 57) }
```

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

```
.border{ border-color:rgb(55, 216, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 216, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 216, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 216, 57);  
box-shadow:4px 4px 4px 4px rgb(55, 216,  
57) }
```


Background

The CSS property to change the background color of an element to Yxy 50.2194, 0.3011, 0.5628 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 216, 57) }
```

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

```
.background{ background-color: rgb(55, 216,  
57) }
```

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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