

Converting Colors

Yxy(51.6442, 0.3109, 0.5022)

Have a look what the booklet for
Yxy(51.6442, 0.3109, 0.5022)
contains.

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Color

Yxy(51.5405, 0.3113, 0.5026)

Conversions

Conversions Part 1

Format	Color
Hex	6BD55F
RGB	107, 213, 95
RGB Percent	42%, 84%, 37%
CMY	0.5803, 0.1647, 0.6276
CMYK	0.50, 0.00, 0.55, 0.16
HSL	114°, 58%, 60%
HSV	114°, 55%, 84%
XYZ	31.9231, 51.5405, 19.0841
YIQ	167.8540, -25.2980, -59.1700

Conversions

Conversions Part 2

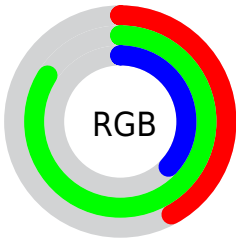
Format	Color
RYB	95, 213, 201
Decimal	7066975
CIELab	77.01, -53.33, 48.43
CIElCh	77, 72.035, 137.758
Yxy	51.5405, 0.3113, 0.5026
Android (android.graphics.Color)	4285257055 (0xFF6BD55F)
YUV	167.8540, -35.9170, -53.3690
Hunter-Lab	71.7917, -46.2632, 34.4933

Details

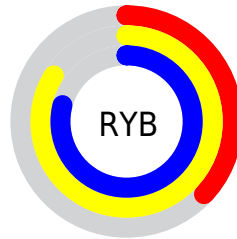
The Yxy color **51.5405, 0.3113, 0.5026** is a dark color, and the websafe version is hex **66CC66**. The color can be described as middle muted chartreuse. A complement of this color would be **25.3951, 0.3060, 0.1934**, and the grayscale version is **39.2724, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.6575, 0.3162, 0.4560**, and **24.8166, 0.3030, 0.5564** is the 20% darker color. If you saturate the color by 10%, you get **50.1495, 0.3097, 0.5349**, and if you desaturate by 10%, it is **53.3039, 0.3124, 0.4679**.

Distribution



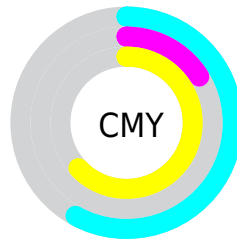
- Red (42%)
- Green (84%)
- Blue (37%)



- Red (37%)
- Yellow (84%)
- Blue (79%)



- Cyan (50%)
- Magenta (0%)
- Yellow (55%)
- Black (16%)




- Cyan (58%)
- Magenta (16%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.5405, 0.3113, 0.5026 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 51.5405, 0.3113, 0.5026 by changing the saturation by 10% instead.


 51.5405, 0.3113,
0.5026

 51.5405, 0.3113,
0.5026


392.6601, 0.3169,
0.4114


 36.6389, 0.3081,
0.5260


 92.4532, 0.3146,
0.4688

 24.9281, 0.3028,
0.5561

 119.2332, 0.3155,
0.4562

 16.0235, 0.2939,
0.5957


 150.7414, 0.3161,
0.4457

 9.5408, 0.2778,
0.6488

 187.3623, 0.3164,
0.4368

 5.0955, 0.2557,
0.7443

229.4802, 0.3167,
0.4291

 2.3034, 0.1747,
0.8253

277.4795, 0.3168,

 0.7755, 0.0000,

0.4224

1.0000

331.7447, 0.3169,
0.4165

0.0000, 0.0000,
0.0000

51.5405, 0.3113,
0.5026

51.5405, 0.3113,
0.5026

50.1495, 0.3097,
0.5349

53.3039, 0.3124,
0.4679

49.0981, 0.3076,
0.5623

55.4570, 0.3131,
0.4332

48.3585, 0.3053,
0.5826

58.0236, 0.3133,
0.4002

47.8955, 0.3030,
0.5947

61.0239, 0.3133,
0.3697

47.7580, 0.3022,
0.5983

64.4768, 0.3130,
0.3424

■ 68.3998, 0.3125,
0.3184

■ 72.8099, 0.3119,
0.2974

■ 76.0704, 0.3146,
0.2881

Harmonies

Analogous

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



51.5405, 0.4000, 0.4984



51.5405, 0.3113, 0.5026



51.5405, 0.2277, 0.4276

Triad

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



51.5405, 0.3113, 0.5026



51.5405, 0.1662, 0.1964



51.5405, 0.4732, 0.3099

Complementary

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



51.5405, 0.3113, 0.5026



25.3951, 0.3060, 0.1934

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.



51.5405, 0.3885, 0.2516



51.5405, 0.3113, 0.5026



51.5405, 0.2111, 0.1892

Square

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



51.5405, 0.3113, 0.5026



51.5405, 0.1530, 0.2368



51.5405, 0.2889, 0.2090



51.5405, 0.5027, 0.3757

Rectangle

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



51.5405, 0.3113, 0.5026



51.5405, 0.1867, 0.3537



51.5405, 0.2889, 0.2090



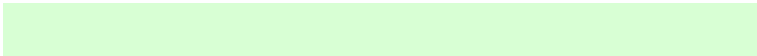
51.5405, 0.4496, 0.2893

Sweetspot

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



51.5427, 0.3113, 0.5026



90.8659, 0.3133, 0.3749



55.9265, 0.4002, 0.4478



19.2467, 0.3133, 0.3809



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.



51.5427, 0.3113, 0.5026



75.1387, 0.3094, 0.5387



51.9214, 0.2810, 0.4387



13.9560, 0.3131, 0.3530



29.1924, 0.3026, 0.5979



1.7819, 0.3098, 0.5922

Inverse Universe

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



25.3951, 0.3060, 0.1934



32.1351, 0.3035, 0.1722



25.1437, 0.3728, 0.2430



12.5653, 0.3122, 0.3059



9.7475, 0.2955, 0.1401



0.6069, 0.3002, 0.1427

Previews

White Background



This preview shows how the Yxy color 51.5405, 0.3113, 0.5026 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 51.5405, 0.3113, 0.5026 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 51.5405, 0.3113, 0.5026

Background



This preview shows how black text looks on a background with the Yxy color 51.5405, 0.3113, 0.5026.



This preview shows how white text looks on a background with the Yxy color 51.5405, 0.3113, 0.5026.

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

51.5405, 0.3113, 0.5026

Protanopia

50.6386, 0.4082, 0.4473

Deuteranopia

50.6309, 0.4225, 0.4132



Tritanopia

51.1720, 0.2559, 0.3076

Trichromacy



Original Color

51.5405, 0.3113, 0.5026



Protanomaly

49.8970, 0.3677, 0.4699



Deuteranomaly

49.0780, 0.3764, 0.4457



Tritanomaly

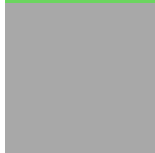
50.8522, 0.2770, 0.3762

Monochromacy



Original Color

51.5405, 0.3113, 0.5026



Achromatopsia

39.1572, 0.3127, 0.3290



Achromatomaly

42.3151, 0.3138, 0.3929

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.5405, 0.3113, 0.5026 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(107, 213, 95)` looks like.

```
.text, #text, p{  
    color:rgb(107, 213, 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(107, 213, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 213, 95) }
```

Border

The CSS property to change the border of an element to Yxy 51.5405, 0.3113, 0.5026 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(107, 213, 95) }
```

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

```
.border{ border-color:rgb(107, 213, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 213, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 213, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 213, 95);  
box-shadow:4px 4px 4px 4px rgb(107, 213,  
95) }
```


Background

The CSS property to change the background color of an element to Yxy 51.5405, 0.3113, 0.5026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 213, 95) }
```

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

```
.background{ background-color: rgb(107,  
213, 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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