

Converting Colors

$Y_{xy}(50.3601, 0.3252, 0.5068)$

Have a look what the booklet for
Yxy(50.3601, 0.3252, 0.5068)
contains.

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Color

Yxy(50.3218, 0.3257, 0.5070)

Conversions

Conversions Part 1

Format	Color
Hex	79D155
RGB	121, 209, 85
RGB Percent	47%, 82%, 33%
CMY	0.5254, 0.1804, 0.6666
CMYK	0.42, 0.00, 0.59, 0.18
HSL	103°, 57%, 58%
HSV	103°, 59%, 82%
XYZ	32.3270, 50.3218, 16.6052
YIQ	168.5520, -12.6440, -57.2200

Conversions

Conversions Part 2

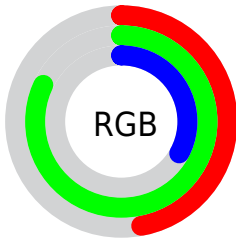
Format	Color
RYB	85, 209, 173
Decimal	7983445
CIELab	76.27, -48.68, 52.23
CIELCh	76, 71.398, 132.989
Yxy	50.3218, 0.3257, 0.5070
Android (android.graphics.Color)	4286173525 (0xFF79D155)
YUV	168.5520, -41.1911, -41.7031
Hunter-Lab	70.9379, -42.7971, 35.7778

Details

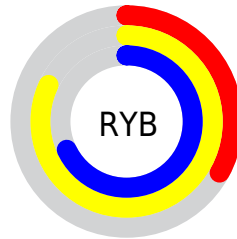
The Yxy color **50.3218, 0.3257, 0.5070** is a dark color, and the websafe version is hex **66CC66**. The color can be described as middle muted chartreuse. A complement of this color would be **19.9865, 0.2795, 0.1746**, and the grayscale version is **39.6582, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8200, 0.3290, 0.4641**, and **24.2617, 0.3197, 0.5605** is the 20% darker color. If you saturate the color by 10%, you get **49.0487, 0.3245, 0.5360**, and if you desaturate by 10%, it is **51.8620, 0.3255, 0.4752**.

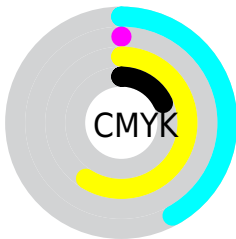
Distribution



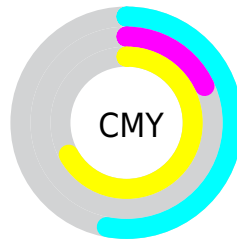
- Red (47%)
- Green (82%)
- Blue (33%)



- Red (33%)
- Yellow (82%)
- Blue (68%)



- Cyan (42%)
- Magenta (0%)
- Yellow (59%)
- Black (18%)





- Cyan (53%)
- Magenta (18%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.3218, 0.3257, 0.5070 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 50.3218, 0.3257, 0.5070 by changing the saturation by 10% instead.

 50.3218, 0.3257,
0.5070

 50.3218, 0.3257,
0.5070

387.9230, 0.3248,
0.4140

 35.6692, 0.3238,
0.5305


 90.6515, 0.3269,
0.4727


 24.1788, 0.3199,
0.5605


 117.0973, 0.3269,
0.4599

 15.4663, 0.3124,
0.5992


 148.2430, 0.3267,
0.4492

 9.1473, 0.2980,
0.6508

 184.4729, 0.3263,
0.4400

 4.8374, 0.2722,
0.7278

226.1715, 0.3260,
0.4322

 2.1522, 0.1955,
0.8045

273.7231, 0.3256,

 0.6937, 0.0000,

0.4253

1.0000

327.5122, 0.3252,
0.4193

■ 0.0000, 0.0000,
0.0000

■ 50.3218, 0.3257,
0.5070

■ 50.3218, 0.3257,
0.5070

■ 49.0487, 0.3245,
0.5360

■ 51.8620, 0.3255,
0.4752

■ 48.0199, 0.3218,
0.5601

■ 53.6778, 0.3242,
0.4425

■ 47.2189, 0.3178,
0.5779

■ 55.7849, 0.3219,
0.4105

■ 46.6191, 0.3131,
0.5892

■ 58.1961, 0.3191,
0.3803

■ 46.5841, 0.3128,
0.5898

■ 60.9233, 0.3159,
0.3525

■ 63.9777, 0.3125,
0.3274

■ 67.3701, 0.3091,
0.3050

■ 71.1106, 0.3057,
0.2852

■ 73.9867, 0.3145,
0.2841

Harmonies

Analogous

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



50.3218, 0.4130, 0.4917



50.3218, 0.3257, 0.5070



50.3218, 0.2397, 0.4437

Triad

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



50.3218, 0.3257, 0.5070



50.3218, 0.1621, 0.2005



50.3218, 0.4625, 0.3000

Complementary

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



50.3218, 0.3257, 0.5070



19.9865, 0.2795, 0.1746

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.



50.3218, 0.3724, 0.2436



50.3218, 0.3257, 0.5070



50.3218, 0.2018, 0.1886

Square

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



50.3218, 0.3257, 0.5070



50.3218, 0.1539, 0.2470



50.3218, 0.2745, 0.2043



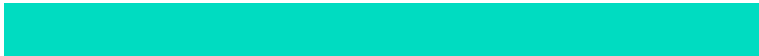
50.3218, 0.5023, 0.3649

Rectangle

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



50.3218, 0.3257, 0.5070



50.3218, 0.1951, 0.3714



50.3218, 0.2745, 0.2043



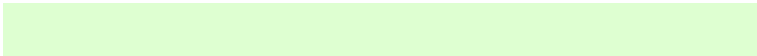
50.3218, 0.4363, 0.2799

Sweetspot

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



50.3240, 0.3257, 0.5070



91.7256, 0.3187, 0.3771



43.6425, 0.4220, 0.4318



19.3805, 0.3196, 0.3856



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.



50.3240, 0.3257, 0.5070



76.4891, 0.3240, 0.5425



48.6554, 0.2919, 0.4839



13.3702, 0.3159, 0.3527



28.7659, 0.3137, 0.5891



1.6491, 0.3278, 0.5779

Inverse Universe

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



19.9865, 0.2795, 0.1746



24.7274, 0.2697, 0.1483



23.5236, 0.3483, 0.2144



11.8295, 0.3092, 0.3058



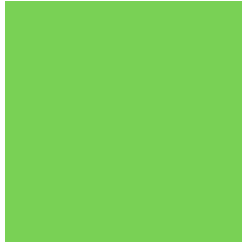
6.7909, 0.2490, 0.1146



0.4192, 0.2627, 0.1221

Previews

White Background



This preview shows how the Yxy color 50.3218, 0.3257, 0.5070 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 50.3218, 0.3257, 0.5070 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 50.3218, 0.3257, 0.5070

Background



This preview shows how black text looks on a background with the Yxy color 50.3218, 0.3257, 0.5070.

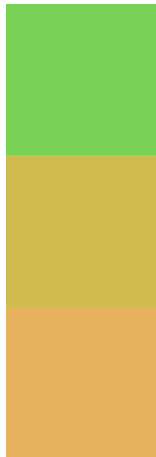


This preview shows how white text looks on a background with the Yxy color 50.3218, 0.3257, 0.5070.

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

50.3218, 0.3257, 0.5070

Protanopia

49.5006, 0.4141, 0.4540

Deuteranopia

49.4719, 0.4303, 0.4210



Tritanopia

50.0730, 0.2640, 0.3077

Trichromacy



Original Color

50.3218, 0.3257, 0.5070



Protanomaly

48.8544, 0.3780, 0.4747



Deuteranomaly

48.0977, 0.3883, 0.4520



Tritanomaly

49.6774, 0.2880, 0.3789

Monochromacy



Original Color

50.3218, 0.3257, 0.5070



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

42.7914, 0.3212, 0.3964

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.3218, 0.3257, 0.5070 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(121, 209, 85)` looks like.

```
.text, #text, p{  
    color:rgb(121, 209, 85)  
}
```

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(121, 209, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 209, 85) }
```

Border

The CSS property to change the border of an element to Yxy 50.3218, 0.3257, 0.5070 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(121, 209, 85) }
```

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

```
.border{ border-color:rgb(121, 209, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 209, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 209, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 209, 85);  
box-shadow:4px 4px 4px 4px rgb(121, 209,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 50.3218, 0.3257, 0.5070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 209, 85) }
```

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

```
.background{ background-color: rgb(121,  
209, 85) }
```

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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