

Converting Colors

$Y_{xy}(56.1937, 0.3194, 0.5139)$

Have a look what the booklet for
Yxy(56.1937, 0.3194, 0.5139)
contains.

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Color

Yxy(56.1994, 0.3195, 0.5137)

Conversions

Conversions Part 1

Format	Color
Hex	75DD58
RGB	117, 221, 88
RGB Percent	46%, 87%, 35%
CMY	0.5413, 0.1333, 0.6547
CMYK	0.47, 0.00, 0.60, 0.13
HSL	107°, 66%, 61%
HSV	107°, 60%, 87%
XYZ	34.9537, 56.1994, 18.2481
YIQ	174.7420, -19.2910, -63.4110

Conversions

Conversions Part 2

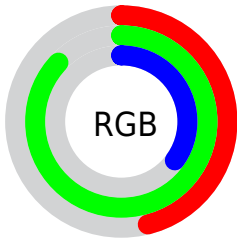
Format	Color
RYB	88, 221, 192
Decimal	7724376
CIELab	79.73, -54.39, 54.78
CIELCh	80, 77.197, 134.797
Yxy	56.1994, 0.3195, 0.5137
Android (android.graphics.Color)	4285914456 (0xFF75DD58)
YUV	174.7420, -42.7638, -50.6397
Hunter-Lab	74.9663, -47.9637, 38.0441

Details

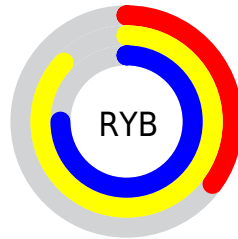
The Yxy color **56.1994, 0.3195, 0.5137** is a dark color, and the websafe version is hex **66CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **23.4249, 0.2888, 0.1766**, and the grayscale version is **42.9634, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5870, 0.3252, 0.4604**, and **27.8268, 0.3118, 0.5673** is the 20% darker color. If you saturate the color by 10%, you get **54.8002, 0.3178, 0.5431**, and if you desaturate by 10%, it is **57.9356, 0.3201, 0.4810**.

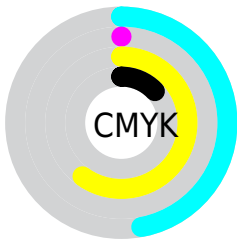
Distribution



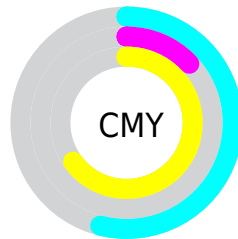
- Red (46%)
- Green (87%)
- Blue (35%)



- Red (35%)
- Yellow (87%)
- Blue (75%)



- Cyan (47%)
- Magenta (0%)
- Yellow (60%)
- Black (13%)





- Cyan (54%)
- Magenta (13%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 56.1994, 0.3195, 0.5137 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 56.1994, 0.3195, 0.5137 by changing the saturation by 10% instead.


 56.1994, 0.3195,
0.5137

 56.1994, 0.3195,
0.5137


410.4425, 0.3220,
0.4184


 40.3628, 0.3168,
0.5374

 99.2961, 0.3220,
0.4789


 27.8215, 0.3120,
0.5672


 127.3249, 0.3224,
0.4659

 18.1912, 0.3036,
0.6055


 160.1867, 0.3226,
0.4549

 11.0873, 0.2882,
0.6551

 198.2657, 0.3226,
0.4454

 6.1256, 0.2651,
0.7349

241.9464, 0.3226,
0.4373

 2.9216, 0.2038,
0.7962

291.6132, 0.3224,

 1.0909, 0.0000,

0.4302

1.0000

347.6504, 0.3222,
0.4240

■ 0.0000, 0.0000,
0.0000

■ 56.1994, 0.3195,
0.5137

■ 56.1994, 0.3195,
0.5137

■ 54.8002, 0.3178,
0.5431

■ 57.9356, 0.3201,
0.4810

■ 53.7082, 0.3149,
0.5672

■ 60.0221, 0.3198,
0.4473

■ 52.9002, 0.3113,
0.5842

■ 62.4797, 0.3187,
0.4144

■ 52.3463, 0.3074,
0.5941

■ 65.3259, 0.3170,
0.3833

■ 68.5769, 0.3150,
0.3549

■ 72.2478, 0.3128,
0.3294

■ 76.3531, 0.3104,
0.3068

■ 80.1958, 0.3143,
0.2960

Harmonies

Analogous

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



56.1994, 0.4104, 0.5001



56.1994, 0.3195, 0.5137



56.1994, 0.2316, 0.4428

Triad

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



56.1994, 0.3195, 0.5137



56.1994, 0.1588, 0.1943



56.1994, 0.4731, 0.3022

Complementary

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



56.1994, 0.3195, 0.5137



23.4249, 0.2888, 0.1766

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.



56.1994, 0.3810, 0.2436



56.1994, 0.3195, 0.5137



56.1994, 0.2014, 0.1842

Square

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



56.1994, 0.3195, 0.5137



56.1994, 0.1483, 0.2393



56.1994, 0.2784, 0.2020



56.1994, 0.5098, 0.3691

Rectangle

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



56.1994, 0.3195, 0.5137



56.1994, 0.1872, 0.3658



56.1994, 0.2784, 0.2020



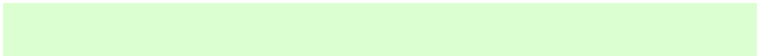
56.1994, 0.4467, 0.2814

Sweetspot

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



56.2018, 0.3195, 0.5137



91.2020, 0.3166, 0.3774



52.8979, 0.4176, 0.4419



19.2546, 0.3172, 0.3861



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.



56.2018, 0.3195, 0.5137



75.3823, 0.3172, 0.5495



55.2357, 0.2874, 0.4740



14.7421, 0.3148, 0.3529



30.4477, 0.3082, 0.5935



2.0106, 0.3193, 0.5847

Inverse Universe

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



23.4249, 0.2888, 0.1766



26.2322, 0.2817, 0.1528



25.8870, 0.3601, 0.2213



13.1245, 0.3103, 0.3057



8.2392, 0.2666, 0.1242



0.5700, 0.2759, 0.1294

Previews

White Background



This preview shows how the Yxy color 56.1994, 0.3195, 0.5137 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 56.1994, 0.3195, 0.5137 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

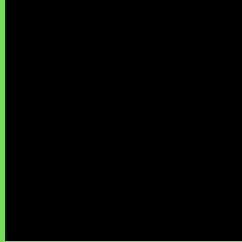
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 56.1994, 0.3195, 0.5137

Background



This preview shows how black text looks on a background with the Yxy color 56.1994, 0.3195, 0.5137.



This preview shows how white text looks on a background with the Yxy color 56.1994, 0.3195, 0.5137.

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

56.1994, 0.3195, 0.5137

Protanopia

55.5867, 0.4150, 0.4553

Deuteranopia

55.2997, 0.4315, 0.4217



Tritanopia

55.7582, 0.2585, 0.3072

Trichromacy



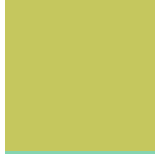
Original Color

56.1994, 0.3195, 0.5137



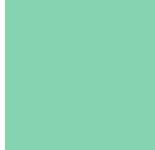
Protanomaly

54.7278, 0.3756, 0.4785



Deuteranomaly

53.5253, 0.3869, 0.4555



Tritanomaly

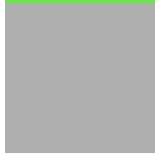
55.1687, 0.2821, 0.3800

Monochromacy



Original Color

56.1994, 0.3195, 0.5137



Achromatopsia

42.8690, 0.3127, 0.3290



Achromatomaly

46.5525, 0.3182, 0.3989

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.1994, 0.3195, 0.5137 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(117, 221, 88)` looks like.

```
.text, #text, p{  
    color:rgb(117, 221, 88)  
}
```

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(117, 221, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 221, 88) }
```

Border

The CSS property to change the border of an element to Yxy 56.1994, 0.3195, 0.5137 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(117, 221, 88) }
```

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

```
.border{ border-color:rgb(117, 221, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 221, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 221, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 221, 88);  
box-shadow:4px 4px 4px 4px rgb(117, 221,  
88) }
```


Background

The CSS property to change the background color of an element to Yxy 56.1994, 0.3195, 0.5137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 221, 88) }
```

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

```
.background{ background-color: rgb(117,  
221, 88) }
```

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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