

Converting Colors

Yxy(59.7201, 0.3247, 0.5110)

Have a look what the booklet for
Yxy(59.7201, 0.3247, 0.5110)
contains.

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Color

Yxy(59.7201, 0.3247, 0.5110)

Conversions

Conversions Part 1

Format	Color
Hex	80E25A
RGB	128, 226, 90
RGB Percent	50%, 89%, 35%
CMY	0.4979, 0.1137, 0.6470
CMYK	0.43, 0.00, 0.60, 0.11
HSL	103°, 70%, 62%
HSV	103°, 60%, 89%
XYZ	37.9474, 59.7201, 19.2016
YIQ	181.1940, -14.7520, -63.0720

Conversions

Conversions Part 2

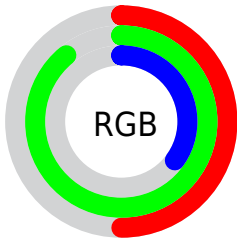
Format	Color
RYB	90, 226, 188
Decimal	8446554
CIELab	81.69, -52.89, 56.27
CIELCh	82, 77.221, 133.226
Yxy	59.7201, 0.3247, 0.5110
Android (android.graphics.Color)	4286636634 (0xFF80E25A)
YUV	181.1940, -44.9586, -46.6511
Hunter-Lab	77.2788, -47.5863, 39.3633

Details

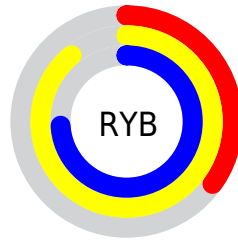
The Yxy color **59.7201, 0.3247, 0.5110** is a light color, and the websafe version is hex **66CC33**. The color can be described as light muted chartreuse. A complement of this color would be **23.4944, 0.2801, 0.1726**, and the grayscale version is **46.5782, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.9727, 0.3311, 0.4554**, and **30.1302, 0.3189, 0.5613** is the 20% darker color. If you saturate the color by 10%, you get **58.2312, 0.3232, 0.5398**, and if you desaturate by 10%, it is **61.5337, 0.3248, 0.4791**.

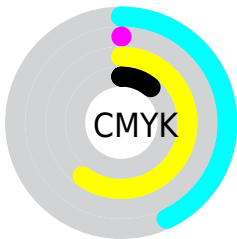
Distribution



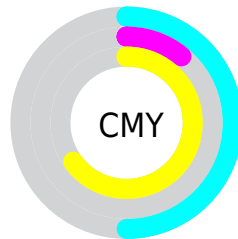
- Red (50%)
- Green (89%)
- Blue (35%)



- Red (35%)
- Yellow (89%)
- Blue (74%)



- Cyan (43%)
- Magenta (0%)
- Yellow (60%)
- Black (11%)





- Cyan (50%)
- Magenta (11%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.7201, 0.3247, 0.5110 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 59.7201, 0.3247, 0.5110 by changing the saturation by 10% instead.

 59.7201, 0.3247,
0.5110

 59.7201, 0.3247,
0.5110


423.5653, 0.3247,
0.4184


 43.1931, 0.3227,
0.5336


 104.4235, 0.3262,
0.4775


 30.0366, 0.3188,
0.5618


 133.3687, 0.3263,
0.4649

 19.8664, 0.3118,
0.5978


 167.2221, 0.3262,
0.4541

 12.2980, 0.2987,
0.6439

 206.3680, 0.3260,
0.4449

 6.9469, 0.2803,
0.7197

251.1909, 0.3257,
0.4370

 3.4289, 0.2257,
0.7743

302.0751, 0.3254,

 1.3596, 0.0000,

0.4300

1.0000

359.4052, 0.3251,
0.4239

■ 0.1866, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 59.7201, 0.3247,
0.5110

■ 59.7201, 0.3247,
0.5110

■ 58.2312, 0.3232,
0.5398

■ 61.5337, 0.3248,
0.4791

■ 57.0387, 0.3204,
0.5634


■ 63.6829, 0.3237,
0.4461

■ 56.1217, 0.3163,
0.5804


■ 66.1873, 0.3217,
0.4138

■ 55.4556, 0.3117,
0.5907

■ 69.0629, 0.3190,
0.3831

 72.3245, 0.3160,
0.3549

 75.9860, 0.3128,
0.3294

 80.0609, 0.3095,
0.3067

 82.8728, 0.3140,
0.3009

Harmonies

Analogous

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



59.7201, 0.4136, 0.4949



59.7201, 0.3247, 0.5110



59.7201, 0.2373, 0.4457

Triad

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



59.7201, 0.3247, 0.5110



59.7201, 0.1598, 0.1980



59.7201, 0.4663, 0.2997

Complementary

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



59.7201, 0.3247, 0.5110



23.4944, 0.2801, 0.1726

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.



59.7201, 0.3744, 0.2424



59.7201, 0.3247, 0.5110



59.7201, 0.2002, 0.1862

Square

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



59.7201, 0.3247, 0.5110



59.7201, 0.1512, 0.2446



59.7201, 0.2743, 0.2024



59.7201, 0.5061, 0.3655

Rectangle

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



59.7201, 0.3247, 0.5110



59.7201, 0.1924, 0.3713



59.7201, 0.2743, 0.2024



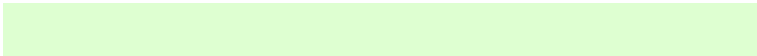
59.7201, 0.4396, 0.2793

Sweetspot

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



59.7227, 0.3247, 0.5110



91.6473, 0.3184, 0.3771



52.6476, 0.4226, 0.4356



19.3616, 0.3193, 0.3857



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.



59.7227, 0.3247, 0.5110



76.1710, 0.3227, 0.5458



57.9104, 0.2907, 0.4841



15.5218, 0.3158, 0.3529



31.6888, 0.3126, 0.5900



2.2407, 0.3240, 0.5810

Inverse Universe

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



23.4944, 0.2801, 0.1726



24.5686, 0.2708, 0.1474



27.4930, 0.3519, 0.2148



13.7330, 0.3093, 0.3056



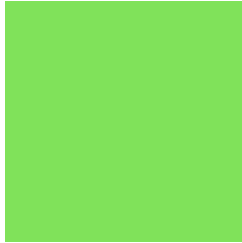
7.6263, 0.2514, 0.1159



0.5728, 0.2625, 0.1220

Previews

White Background



This preview shows how the Yxy color 59.7201, 0.3247, 0.5110 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 59.7201, 0.3247, 0.5110 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 59.7201, 0.3247, 0.5110

Background



This preview shows how black text looks on a background with the Yxy color 59.7201, 0.3247, 0.5110.

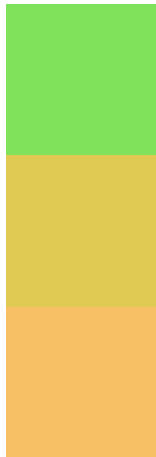


This preview shows how white text looks on a background with the Yxy color 59.7201, 0.3247, 0.5110.

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

59.7201, 0.3247, 0.5110

Protanopia

58.8731, 0.4155, 0.4552

Deuteranopia

58.5758, 0.4318, 0.4225



Tritanopia

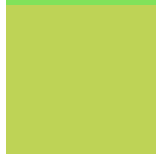
59.4195, 0.2624, 0.3079

Trichromacy



Original Color

59.7201, 0.3247, 0.5110



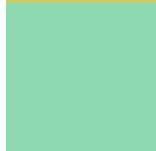
Protanomaly

58.2076, 0.3787, 0.4770



Deuteranomaly

56.8676, 0.3890, 0.4551



Tritanomaly

58.6797, 0.2869, 0.3811

Monochromacy



Original Color

59.7201, 0.3247, 0.5110



Achromatopsia

46.2077, 0.3127, 0.3290



Achromatomaly

49.7520, 0.3205, 0.3965

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.7201, 0.3247, 0.5110 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(128, 226, 90)` looks like.

```
.text, #text, p{  
    color:rgb(128, 226, 90)  
}
```

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(128, 226, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 226, 90) }
```

Border

The CSS property to change the border of an element to Yxy 59.7201, 0.3247, 0.5110 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(128, 226, 90) }
```

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

```
.border{ border-color:rgb(128, 226, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 226, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 226, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 226, 90);  
box-shadow:4px 4px 4px 4px rgb(128, 226,  
90) }
```


Background

The CSS property to change the background color of an element to Yxy 59.7201, 0.3247, 0.5110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 226, 90) }
```

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

```
.background{ background-color: rgb(128,  
226, 90) }
```

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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