

Converting Colors

Yxy(58.8119, 0.3390, 0.5083)

Have a look what the booklet for
Yxy(58.8119, 0.3390, 0.5083)
contains.

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Color

Yxy(58.8119, 0.3390, 0.5083)

Conversions

Conversions Part 1

Format	Color
Hex	90DE54
RGB	144, 222, 84
RGB Percent	56%, 87%, 33%
CMY	0.4353, 0.1294, 0.6707
CMYK	0.35, 0.00, 0.62, 0.13
HSL	94°, 68%, 60%
HSV	94°, 62%, 87%
XYZ	39.2234, 58.8119, 17.6679
YIQ	182.9460, -2.1900, -59.4540

Conversions

Conversions Part 2

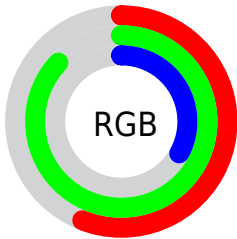
Format	Color
RYB	84, 222, 162
Decimal	9494100
CIELab	81.19, -46.66, 58.48
CIElCh	81, 74.813, 128.586
Yxy	58.8119, 0.3390, 0.5083
Android (android.graphics.Color)	4287684180 (0xFF90DE54)
YUV	182.9460, -48.7804, -34.1556
Hunter-Lab	76.6889, -42.9099, 40.0228

Details

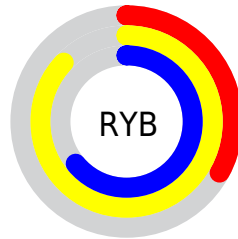
The Yxy color **58.8119, 0.3390, 0.5083** is a light color, and the websafe version is hex **66CC33**. The color can be described as light muted chartreuse. A complement of this color would be **19.2917, 0.2567, 0.1585**, and the grayscale version is **47.5973, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.9406, 0.3440, 0.4564**, and **29.3689, 0.3363, 0.5566** is the 20% darker color. If you saturate the color by 10%, you get **57.4523, 0.3386, 0.5341**, and if you desaturate by 10%, it is **60.4123, 0.3375, 0.4792**.

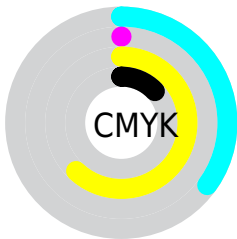
Distribution



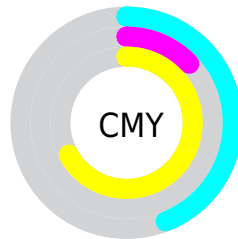
- Red (56%)
- Green (87%)
- Blue (33%)



- Red (33%)
- Yellow (87%)
- Blue (64%)



- Cyan (35%)
- Magenta (0%)
- Yellow (62%)
- Black (13%)





- Cyan (44%)
- Magenta (13%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.8119, 0.3390, 0.5083 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 58.8119, 0.3390, 0.5083 by changing the saturation by 10% instead.


 58.8119, 0.3390,
0.5083


 58.8119, 0.3390,
0.5083


420.2045, 0.3322,
0.4179

 42.4617, 0.3384,
0.5300


 103.1042, 0.3382,
0.4759


 29.4630, 0.3364,
0.5568


 131.8152, 0.3374,
0.4636

 19.4313, 0.3314,
0.5906


 165.4152, 0.3365,
0.4531

 11.9824, 0.3206,
0.6331

 204.2886, 0.3356,
0.4440

 6.7317, 0.3031,
0.6969

248.8198, 0.3347,
0.4362

 3.2949, 0.2530,
0.7470

299.3933, 0.3338,

 1.2875, 0.0288,

0.4294

0.9712

356.3934, 0.3330,
0.4233

0.1315, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

58.8119, 0.3390,
0.5083

58.8119, 0.3390,
0.5083

57.4523, 0.3386,
0.5341

60.4123, 0.3375,
0.4792

56.3110, 0.3361,
0.5551


62.2593, 0.3345,
0.4485

55.3732, 0.3317,
0.5701


64.3674, 0.3302,
0.4177


54.7612, 0.3274,
0.5783

66.7480, 0.3251,
0.3880

 69.4115, 0.3196,
0.3600

 72.3679, 0.3140,
0.3343

 75.6265, 0.3083,
0.3109

 78.7646, 0.3069,
0.2962

 80.7247, 0.3142,
0.2970

Harmonies

Analogous

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



58.8119, 0.4242, 0.4840



58.8119, 0.3390, 0.5083



58.8119, 0.2516, 0.4568

Triad

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



58.8119, 0.3390, 0.5083



58.8119, 0.1596, 0.2055



58.8119, 0.4509, 0.2913

Complementary

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



58.8119, 0.3390, 0.5083



19.2917, 0.2567, 0.1585

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.



58.8119, 0.3572, 0.2369



58.8119, 0.3390, 0.5083



58.8119, 0.1944, 0.1890

Square

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



58.8119, 0.3390, 0.5083



58.8119, 0.1560, 0.2577



58.8119, 0.2621, 0.2009



58.8119, 0.4996, 0.3552

Rectangle

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



58.8119, 0.3390, 0.5083



58.8119, 0.2042, 0.3876



58.8119, 0.2621, 0.2009



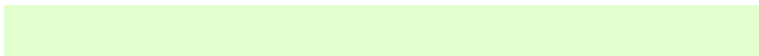
58.8119, 0.4227, 0.2717

Sweetspot

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



58.8144, 0.3390, 0.5083



92.4349, 0.3235, 0.3793



41.2753, 0.4447, 0.4145



19.5682, 0.3251, 0.3875



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.



58.8144, 0.3390, 0.5083



78.0832, 0.3379, 0.5419



54.8821, 0.3006, 0.5210



15.6273, 0.3181, 0.3528



32.5889, 0.3284, 0.5774



2.3111, 0.3406, 0.5678

Inverse Universe

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



19.2917, 0.2567, 0.1585



19.6099, 0.2410, 0.1282



26.7800, 0.3267, 0.1920



13.6235, 0.3069, 0.3054



5.8096, 0.2159, 0.0963



0.4554, 0.2315, 0.1049

Previews

White Background



This preview shows how the Yxy color 58.8119, 0.3390, 0.5083 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 58.8119, 0.3390, 0.5083 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

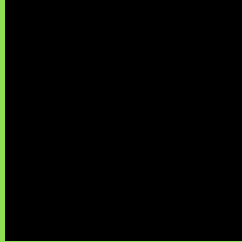
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 58.8119, 0.3390, 0.5083

Background



This preview shows how black text looks on a background with the Yxy color 58.8119, 0.3390, 0.5083.



This preview shows how white text looks on a background with the Yxy color 58.8119, 0.3390, 0.5083.

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

58.8119, 0.3390, 0.5083

Protanopia

58.1706, 0.4179, 0.4587

Deuteranopia

58.0084, 0.4370, 0.4273



Tritanopia

58.5473, 0.2719, 0.3081

Trichromacy



Original Color

58.8119, 0.3390, 0.5083

Protanomaly

57.7822, 0.3870, 0.4783

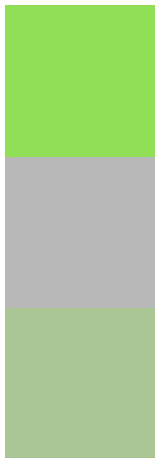
Deuteranomaly

56.6809, 0.3988, 0.4563

Tritanomaly

57.8126, 0.2984, 0.3804

Monochromacy



Original Color

58.8119, 0.3390, 0.5083

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

50.4741, 0.3269, 0.3967

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.8119, 0.3390, 0.5083 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(144, 222, 84)` looks like.

```
.text, #text, p{  
    color:rgb(144, 222, 84)  
}
```

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(144, 222, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 222, 84) }
```

Border

The CSS property to change the border of an element to Yxy 58.8119, 0.3390, 0.5083 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(144, 222, 84) }
```

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

```
.border{ border-color:rgb(144, 222, 84) }
```

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

Here you see how a box with a 4 pixel rgb(144, 222, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 222, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 222, 84);  
box-shadow:4px 4px 4px 4px rgb(144, 222,  
84) }
```


Background

The CSS property to change the background color of an element to Yxy 58.8119, 0.3390, 0.5083 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 222, 84) }
```

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

```
.background{ background-color: rgb(144,  
222, 84) }
```

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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