

Converting Colors

Yxy(58.6366, 0.3086, 0.4579)

Have a look what the booklet for
Yxy(58.6366, 0.3086, 0.4579)
contains.

Yxy(58.7331, 0.3085, 0.4576)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(58.7331, 0.3085, 0.4576)

Conversions

Conversions Part 1

Format	Color
Hex	84DE81
RGB	132, 222, 129
RGB Percent	52%, 87%, 51%
CMY	0.4825, 0.1294, 0.4941
CMYK	0.41, 0.00, 0.42, 0.13
HSL	118°, 58%, 69%
HSV	118°, 42%, 87%
XYZ	39.5961, 58.7331, 30.0211
YIQ	184.4880, -23.7870, -48.0030

Conversions

Conversions Part 2

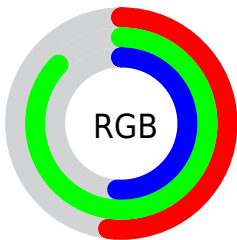
Format	Color
RYB	129, 222, 219
Decimal	8707713
CIELab	81.14, -45.30, 37.32
CIElCh	81, 58.691, 140.517
Yxy	58.7331, 0.3085, 0.4576
Android (android.graphics.Color)	4286897793 (0xFF84DE81)
YUV	184.4880, -27.3556, -46.0320
Hunter-Lab	76.6375, -41.8906, 30.4207

Details

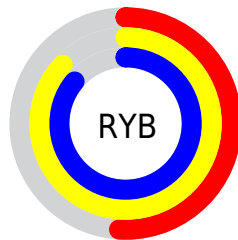
The Yxy color **58.7331, 0.3085, 0.4576** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **36.0455, 0.3147, 0.2257**, and the grayscale version is **48.3787, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.7577, 0.3125, 0.4104**, and **29.3590, 0.3035, 0.4953** is the 20% darker color. If you saturate the color by 10%, you get **56.6503, 0.3070, 0.4933**, and if you desaturate by 10%, it is **61.3060, 0.3098, 0.4225**.

Distribution



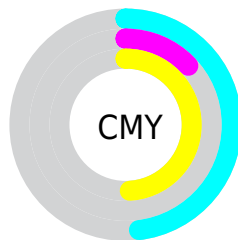
- Red (52%)
- Green (87%)
- Blue (51%)



- Red (51%)
- Yellow (87%)
- Blue (86%)



- Cyan (41%)
- Magenta (0%)
- Yellow (42%)
- Black (13%)





- Cyan (48%)
- Magenta (13%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.7331, 0.3085, 0.4576 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 58.7331, 0.3085, 0.4576 by changing the saturation by 10% instead.


 58.7331, 0.3085,
0.4576


 58.7331, 0.3085,
0.4576

419.9121, 0.3131,
0.3918

 42.3983, 0.3065,
0.4742


 102.9897, 0.3108,
0.4335

 29.4133, 0.3035,
0.4955


 131.6802, 0.3115,
0.4245

 19.3937, 0.2988,
0.5238


 165.2581, 0.3120,
0.4169

 11.9551, 0.2906,
0.5625

204.1078, 0.3123,
0.4104

 6.7131, 0.2756,
0.6179

248.6137, 0.3126,
0.4048

 3.2833, 0.2595,
0.7405

299.1601, 0.3128,

 1.2814, 0.0496,

0.3999

0.9504

356.1314, 0.3130,
0.3956

0.1267, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

58.7331, 0.3085,
0.4576

58.7331, 0.3085,
0.4576

56.6503, 0.3070,
0.4933

61.3060, 0.3098,
0.4225

55.0198, 0.3054,
0.5273


64.3895, 0.3109,
0.3897

53.8101, 0.3038,
0.5569


68.0118, 0.3119,
0.3599

52.9826, 0.3023,
0.5796

72.1968, 0.3126,
0.3336

 52.4914, 0.3011,
0.5937

 76.9672, 0.3132,
0.3106

 52.2929, 0.3005,
0.5996

 80.7274, 0.3142,
0.2970

Harmonies

Analogous

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



58.7331, 0.3806, 0.4657



58.7331, 0.3085, 0.4576



58.7331, 0.2414, 0.3970

Triad

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



58.7331, 0.3085, 0.4576



58.7331, 0.1952, 0.2203



58.7331, 0.4423, 0.3214

Complementary

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



58.7331, 0.3085, 0.4576



36.0455, 0.3147, 0.2257

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.



58.7331, 0.3798, 0.2710



58.7331, 0.3085, 0.4576



58.7331, 0.2361, 0.2151

Square

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



58.7331, 0.3085, 0.4576



58.7331, 0.1818, 0.2531



58.7331, 0.3019, 0.2334



58.7331, 0.4632, 0.3773

Rectangle

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



58.7331, 0.3085, 0.4576



58.7331, 0.2086, 0.3424



58.7331, 0.3019, 0.2334



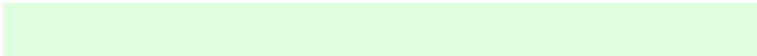
58.7331, 0.4252, 0.3037

Sweetspot

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



58.7356, 0.3085, 0.4576



92.4587, 0.3118, 0.3634



67.7319, 0.3763, 0.4291



19.5443, 0.3116, 0.3698



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.



58.7356, 0.3085, 0.4576



77.9352, 0.3072, 0.4880



59.9096, 0.2823, 0.3964



15.3579, 0.3121, 0.3532



31.0672, 0.3007, 0.5994



2.1608, 0.3028, 0.5977

Inverse Universe

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



36.0455, 0.3147, 0.2257



43.0271, 0.3148, 0.2069



34.4731, 0.3622, 0.2710



13.9123, 0.3133, 0.3059



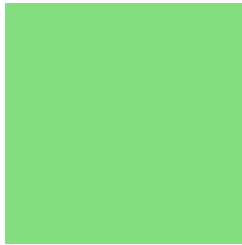
11.7181, 0.3130, 0.1498



0.8193, 0.3143, 0.1505

Previews

White Background



This preview shows how the Yxy color 58.7331, 0.3085, 0.4576 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 58.7331, 0.3085, 0.4576 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 58.7331, 0.3085, 0.4576

Background



This preview shows how black text looks on a background with the Yxy color 58.7331, 0.3085, 0.4576.



This preview shows how white text looks on a background with the Yxy color 58.7331, 0.3085, 0.4576.

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

58.7331, 0.3085, 0.4576

Protanopia

57.7491, 0.3878, 0.4200

Deuteranopia

58.0021, 0.3986, 0.3903



Tritanopia

58.2185, 0.2626, 0.3077

Trichromacy



Original Color

58.7331, 0.3085, 0.4576



Protanomaly

57.1318, 0.3552, 0.4346



Deuteranomaly

56.8228, 0.3625, 0.4146



Tritanomaly

57.7840, 0.2795, 0.3593

Monochromacy



Original Color

58.7331, 0.3085, 0.4576



Achromatopsia

47.9320, 0.3127, 0.3290



Achromatomaly

51.0678, 0.3113, 0.3749

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.7331, 0.3085, 0.4576 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(132, 222, 129)` looks like.

```
.text, #text, p{  
    color:rgb(132, 222, 129)  
}
```

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(132, 222, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 222, 129) }
```

Border

The CSS property to change the border of an element to Yxy 58.7331, 0.3085, 0.4576 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(132, 222, 129) }
```

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

```
.border{ border-color:rgb(132, 222, 129) }
```

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

Here you see how a box with a 4 pixel rgb(132, 222, 129) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 222, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 222, 129);  
box-shadow:4px 4px 4px 4px rgb(132, 222,  
129) }
```


Background

The CSS property to change the background color of an element to Yxy 58.7331, 0.3085, 0.4576 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 222, 129) }
```

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

```
.background{ background-color: rgb(132,  
222, 129) }
```

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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