

Converting Colors

$Yxy(58.5692, 0.3248, 0.5486)$

Have a look what the booklet for
Yxy(58.5692, 0.3248, 0.5486)
contains.

Yxy(58.5587, 0.3249, 0.5488)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(58.5587, 0.3249, 0.5488)

Conversions

Conversions Part 1

Format	Color
Hex	6EE33A
RGB	110, 227, 58
RGB Percent	43%, 89%, 23%
CMY	0.5684, 0.1098, 0.7726
CMYK	0.52, 0.00, 0.74, 0.11
HSL	102°, 75%, 56%
HSV	102°, 74%, 89%
XYZ	34.6679, 58.5587, 13.4766
YIQ	172.7510, -15.4830, -77.3630

Conversions

Conversions Part 2

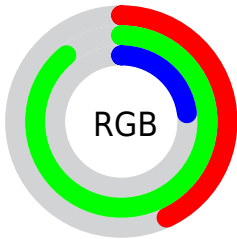
Format	Color
RYB	58, 227, 175
Decimal	7267130
CIELab	81.05, -61.07, 67.65
CIELCh	81, 91.138, 132.071
Yxy	58.5587, 0.3249, 0.5488
Android (android.graphics.Color)	4285457210 (0xFF6EE33A)
YUV	172.7510, -56.5722, -55.0326
Hunter-Lab	76.5237, -53.0497, 43.1250

Details

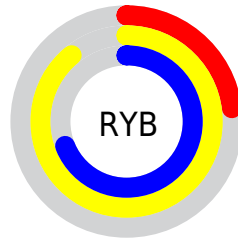
The Yxy color **58.5587, 0.3249, 0.5488** is a dark color, and the websafe version is hex **66CC00**. The color can be described as dark washed chartreuse. A complement of this color would be **17.6776, 0.2642, 0.1414**, and the grayscale version is **41.9625, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.4389, 0.3347, 0.4893**, and **29.2006, 0.3094, 0.5925** is the 20% darker color. If you saturate the color by 10%, you get **57.4585, 0.3214, 0.5696**, and if you desaturate by 10%, it is **59.9443, 0.3268, 0.5223**.

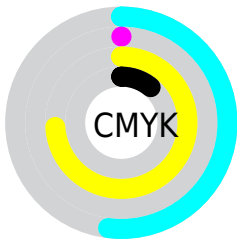
Distribution



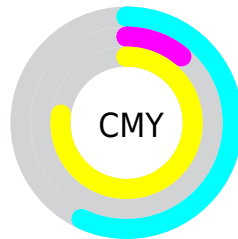
- Red (43%)
- Green (89%)
- Blue (23%)



- Red (23%)
- Yellow (89%)
- Blue (69%)



- Cyan (52%)
- Magenta (0%)
- Yellow (74%)
- Black (11%)




- Cyan (57%)
- Magenta (11%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.5587, 0.3249, 0.5488 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 58.5587, 0.3249, 0.5488 by changing the saturation by 10% instead.


 58.5587, 0.3249,
0.5488


 58.5587, 0.3249,
0.5488


419.2646, 0.3280,
0.4371


 42.2580, 0.3209,
0.5753

 102.7360, 0.3284,
0.5088

 29.3033, 0.3140,
0.6078


 131.3814, 0.3290,
0.4936


 19.3104, 0.3020,
0.6477


 164.9104, 0.3292,
0.4806

 11.8948, 0.2839,
0.7032

 203.7075, 0.3292,
0.4694

 6.6721, 0.2450,
0.7550

 248.1571, 0.3290,
0.4597

 3.2579, 0.1818,
0.8182

298.6436, 0.3287,

 1.2678, 0.0000,

0.4512

1.0000

355.5512, 0.3284,
0.4437

■ 0.1161, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 58.5587, 0.3249,
0.5488

■ 58.5587, 0.3249,
0.5488

■ 57.4585, 0.3214,
0.5696

■ 59.9443, 0.3268,
0.5223

■ 56.6122, 0.3168,
0.5835

■ 61.6283, 0.3272,
0.4919


■ 56.2368, 0.3140,
0.5889

■ 63.6318, 0.3262,
0.4595

■ 65.9714, 0.3242,
0.4270

 68.6627, 0.3213,
0.3957

 71.7202, 0.3180,
0.3666

 75.1576, 0.3144,
0.3400

 78.9877, 0.3107,
0.3161

 82.7443, 0.3116,
0.3017

Harmonies

Analogous

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



58.5587, 0.4265, 0.5161



58.5587, 0.3249, 0.5488



58.5587, 0.2253, 0.4759

Triad

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



58.5587, 0.3249, 0.5488



58.5587, 0.1383, 0.1791



58.5587, 0.4912, 0.2895

Complementary

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



58.5587, 0.3249, 0.5488



17.6776, 0.2642, 0.1414

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.



58.5587, 0.3796, 0.2270



58.5587, 0.3249, 0.5488



58.5587, 0.1809, 0.1665

Square

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



58.5587, 0.3249, 0.5488



58.5587, 0.1293, 0.2310



58.5587, 0.2627, 0.1836



58.5587, 0.5382, 0.3611

Rectangle

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



58.5587, 0.3249, 0.5488



58.5587, 0.1744, 0.3832



58.5587, 0.2627, 0.1836



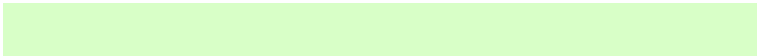
58.5587, 0.4586, 0.2672

Sweetspot

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



58.5612, 0.3249, 0.5488



90.2655, 0.3206, 0.3888



46.7074, 0.4535, 0.4461



19.0995, 0.3215, 0.3970



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.



58.5612, 0.3249, 0.5488



74.1986, 0.3192, 0.5776



56.5575, 0.2918, 0.5321



16.3034, 0.3162, 0.3530



32.8520, 0.3150, 0.5881



2.4753, 0.3260, 0.5794

Inverse Universe

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



17.6776, 0.2642, 0.1414



18.3781, 0.2516, 0.1201



23.3420, 0.3568, 0.1930



14.3808, 0.3089, 0.3055



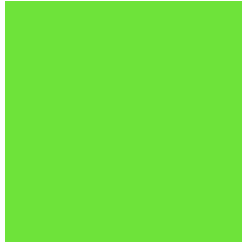
7.4834, 0.2445, 0.1121



0.6014, 0.2559, 0.1184

Previews

White Background



This preview shows how the Yxy color 58.5587, 0.3249, 0.5488 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 58.5587, 0.3249, 0.5488 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 58.5587, 0.3249, 0.5488

Background



This preview shows how black text looks on a background with the Yxy color 58.5587, 0.3249, 0.5488.



This preview shows how white text looks on a background with the Yxy color 58.5587, 0.3249, 0.5488.

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

58.5587, 0.3249, 0.5488

Protanopia

57.3949, 0.4302, 0.4749

Deuteranopia

57.4477, 0.4499, 0.4404



Tritanopia

58.3196, 0.2557, 0.3075

Trichromacy



Original Color

58.5587, 0.3249, 0.5488



Protanomaly

56.4268, 0.3869, 0.5048



Deuteranomaly

55.1350, 0.3989, 0.4814



Tritanomaly

57.0829, 0.2849, 0.3982

Monochromacy



Original Color

58.5587, 0.3249, 0.5488



Achromatopsia

41.7885, 0.3127, 0.3290



Achromatomaly

46.2627, 0.3234, 0.4186

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.5587, 0.3249, 0.5488 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(110, 227, 58)` looks like.

```
.text, #text, p{  
    color:rgb(110, 227, 58)  
}
```

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(110, 227, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 227, 58) }
```

Border

The CSS property to change the border of an element to Yxy 58.5587, 0.3249, 0.5488 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(110, 227, 58) }
```

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

```
.border{ border-color:rgb(110, 227, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 227, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 227, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 227, 58);  
box-shadow:4px 4px 4px 4px rgb(110, 227,  
58) }
```


Background

The CSS property to change the background color of an element to Yxy 58.5587, 0.3249, 0.5488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 227, 58) }
```

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

```
.background{ background-color: rgb(110,  
227, 58) }
```

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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