

Converting Colors

$Y_{xy}(59.0763, 0.3372, 0.5471)$

Have a look what the booklet for
Yxy(59.0763, 0.3372, 0.5471)
contains.

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Color

Yxy(59.0586, 0.3370, 0.5472)

Conversions

Conversions Part 1

Format	Color
Hex	7EE232
RGB	126, 226, 50
RGB Percent	49%, 89%, 20%
CMY	0.5060, 0.1137, 0.8040
CMYK	0.44, 0.00, 0.78, 0.11
HSL	94°, 75%, 54%
HSV	94°, 78%, 89%
XYZ	36.3720, 59.0586, 12.4981
YIQ	176.0360, -3.1040, -75.9360

Conversions

Conversions Part 2

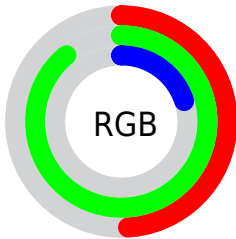
Format	Color
RYB	50, 226, 150
Decimal	8315442
CIELab	81.32, -56.49, 70.60
CIELCh	81, 90.422, 128.666
Yxy	59.0586, 0.3370, 0.5472
Android (android.graphics.Color)	4286505522 (0xFF7EE232)
YUV	176.0360, -62.1357, -43.8816
Hunter-Lab	76.8496, -50.0049, 44.1523

Details

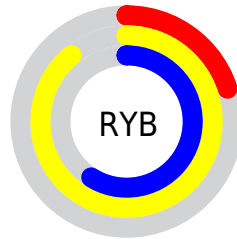
The Yxy color **59.0586, 0.3370, 0.5472** is a dark color, and the websafe version is hex **66CC00**. The color can be described as middle washed chartreuse. A complement of this color would be **14.2595, 0.2388, 0.1240**, and the grayscale version is **43.7637, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.0849, 0.3468, 0.4899**, and **29.8394, 0.3219, 0.5826** is the 20% darker color. If you saturate the color by 10%, you get **57.9975, 0.3333, 0.5649**, and if you desaturate by 10%, it is **60.3463, 0.3386, 0.5240**.

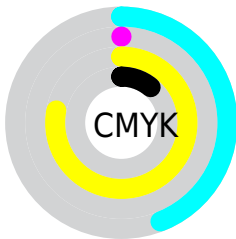
Distribution



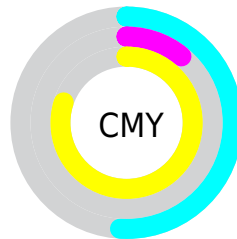
- Red (49%)
- Green (89%)
- Blue (20%)



- Red (20%)
- Yellow (89%)
- Blue (59%)



- Cyan (44%)
- Magenta (0%)
- Yellow (78%)
- Black (11%)




- Cyan (51%)
- Magenta (11%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.0586, 0.3370, 0.5472 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 59.0586, 0.3370, 0.5472 by changing the saturation by 10% instead.


 59.0586, 0.3370,
0.5472


 59.0586, 0.3370,
0.5472

421.1190, 0.3347,
0.4378


 42.6603, 0.3341,
0.5725


 103.4628, 0.3388,
0.5085


 29.6187, 0.3284,
0.6032


 132.2375, 0.3387,
0.4936


 19.5493, 0.3178,
0.6403


 165.9065, 0.3382,
0.4808

 12.0679, 0.3029,
0.6945

 204.8541, 0.3376,
0.4698

 6.7899, 0.2643,
0.7357

 249.4648, 0.3370,
0.4602

 3.3311, 0.2061,
0.7939

300.1229, 0.3362,

 1.3069, 0.0000,

0.4518

1.0000

357.2129, 0.3355,
0.4444

■ 0.1466, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 59.0586, 0.3370,
0.5472

■ 59.0586, 0.3370,
0.5472

■ 57.9975, 0.3333,
0.5649

■ 60.3463, 0.3386,
0.5240

■ 57.1334, 0.3281,
0.5765


■ 61.8700, 0.3383,
0.4965


■ 56.9698, 0.3269,
0.5786

■ 63.6472, 0.3361,
0.4664


■ 65.6912, 0.3326,
0.4354

 68.0144, 0.3280,
0.4049

 70.6282, 0.3227,
0.3758

 73.5434, 0.3172,
0.3487

 76.7702, 0.3115,
0.3240

 80.3181, 0.3060,
0.3017

Harmonies

Analogous

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



59.0586, 0.4365, 0.5071



59.0586, 0.3370, 0.5472



59.0586, 0.2366, 0.4876

Triad

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



59.0586, 0.3370, 0.5472



59.0586, 0.1369, 0.1841



59.0586, 0.4791, 0.2824

Complementary

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



59.0586, 0.3370, 0.5472



14.2595, 0.2388, 0.1240

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.



59.0586, 0.3650, 0.2218



59.0586, 0.3370, 0.5472



59.0586, 0.1753, 0.1676

Square

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



59.0586, 0.3370, 0.5472



59.0586, 0.1319, 0.2411



59.0586, 0.2519, 0.1815



59.0586, 0.5349, 0.3529

Rectangle

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



59.0586, 0.3370, 0.5472



59.0586, 0.1830, 0.3988



59.0586, 0.2519, 0.1815



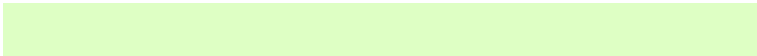
59.0586, 0.4448, 0.2606

Sweetspot

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



59.0611, 0.3370, 0.5472



90.9981, 0.3256, 0.3909



38.1288, 0.4807, 0.4281



19.2162, 0.3274, 0.4016



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.



59.0611, 0.3370, 0.5472



75.5711, 0.3305, 0.5722



55.4208, 0.2983, 0.5629



15.6250, 0.3180, 0.3528



32.5652, 0.3281, 0.5777



2.3094, 0.3402, 0.5681

Inverse Universe

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



14.2595, 0.2388, 0.1240



14.3853, 0.2215, 0.1017



23.3199, 0.3336, 0.1741



13.6258, 0.3069, 0.3054



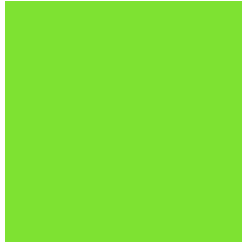
5.8424, 0.2166, 0.0967



0.4576, 0.2322, 0.1053

Previews

White Background



This preview shows how the Yxy color 59.0586, 0.3370, 0.5472 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 59.0586, 0.3370, 0.5472 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

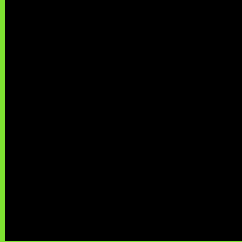
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 59.0586, 0.3370, 0.5472

Background



This preview shows how black text looks on a background with the Yxy color 59.0586, 0.3370, 0.5472.

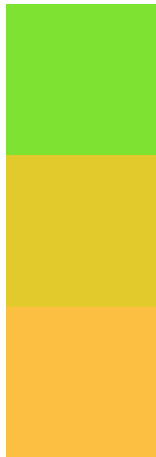


This preview shows how white text looks on a background with the Yxy color 59.0586, 0.3370, 0.5472.

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

59.0586, 0.3370, 0.5472

Protanopia

58.1239, 0.4332, 0.4778

Deuteranopia

58.1642, 0.4541, 0.4446



Tritanopia

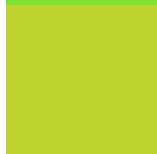
58.8100, 0.2633, 0.3090

Trichromacy



Original Color

59.0586, 0.3370, 0.5472



Protanomaly

57.2376, 0.3952, 0.5053



Deuteranomaly

56.6338, 0.4085, 0.4833



Tritanomaly

57.5957, 0.2959, 0.4010

Monochromacy



Original Color

59.0586, 0.3370, 0.5472



Achromatopsia

43.4154, 0.3127, 0.3290



Achromatomaly

47.4644, 0.3306, 0.4193

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.0586, 0.3370, 0.5472 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(126, 226, 50)` looks like.

```
.text, #text, p{  
    color:rgb(126, 226, 50)  
}
```

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(126, 226, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 226, 50) }
```

Border

The CSS property to change the border of an element to Yxy 59.0586, 0.3370, 0.5472 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(126, 226, 50) }
```

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

```
.border{ border-color:rgb(126, 226, 50) }
```

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

Here you see how a box with a 4 pixel rgb(126, 226, 50) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 226, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 226, 50);  
box-shadow:4px 4px 4px 4px rgb(126, 226,  
50) }
```


Background

The CSS property to change the background color of an element to Yxy 59.0586, 0.3370, 0.5472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 226, 50) }
```

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

```
.background{ background-color: rgb(126,  
226, 50) }
```

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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