

Converting Colors

Yxy(59.8429, 0.3577, 0.5512)

Have a look what the booklet for
Yxy(59.8429, 0.3577, 0.5512)
contains.

Yxy(59.9905, 0.3572, 0.5516)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(59.9905, 0.3572, 0.5516)

Conversions

Conversions Part 1

Format	Color
Hex	92E10D
RGB	146, 225, 13
RGB Percent	57%, 88%, 5%
CMY	0.4276, 0.1176, 0.9482
CMYK	0.35, 0.00, 0.94, 0.12
HSL	82°, 89%, 47%
HSV	82°, 94%, 88%
XYZ	38.8481, 59.9905, 9.9187
YIQ	177.2110, 20.9680, -82.6800

Conversions

Conversions Part 2

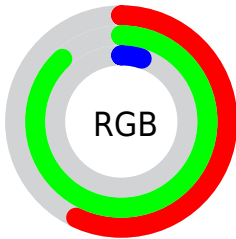
Format	Color
RYB	13, 225, 92
Decimal	9625869
CIELab	81.83, -50.63, 78.69
CIELCh	82, 93.570, 122.759
Yxy	59.9905, 0.3572, 0.5516
Android (android.graphics.Color)	4287815949 (0xFF92E10D)
YUV	177.2110, -80.9560, -27.3720
Hunter-Lab	77.4535, -46.0141, 46.6248

Details

The Yxy color **59.9905, 0.3572, 0.5516** 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 **8.0181, 0.1854, 0.0818**, and the grayscale version is **44.5187, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.3971, 0.3678, 0.4978**, and **30.3544, 0.3383, 0.5696** is the 20% darker color. If you saturate the color by 10%, you get **59.5217, 0.3546, 0.5566**, and if you desaturate by 10%, it is **60.8870, 0.3603, 0.5399**.

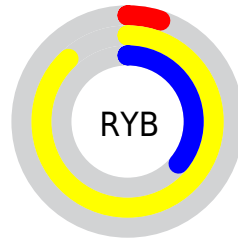
Distribution



Red (57%)

Green (88%)

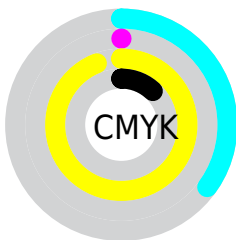
Blue (5%)



Red (5%)

Yellow (88%)

Blue (36%)

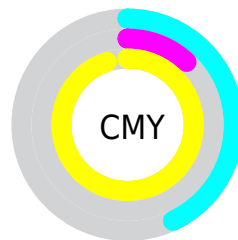


Cyan (35%)

Magenta (0%)

Yellow (94%)

Black (12%)



Cyan (43%)


Magenta (12%)

Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.9905, 0.3572, 0.5516 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 59.9905, 0.3572, 0.5516 by changing the saturation by 10% instead.

 59.9905, 0.3572,
0.5516

 59.9905, 0.3572,
0.5516


424.5628, 0.3472,
0.4434

 43.4110, 0.3554,
0.5752


 104.8159, 0.3568,
0.5144

 30.2077, 0.3507,
0.6028


 133.8305, 0.3557,
0.4997

 19.9963, 0.3412,
0.6351

 167.7590, 0.3543,
0.4870


 12.3924, 0.3248,
0.6752

 206.9857, 0.3529,
0.4759

 7.0115, 0.2898,
0.7102

 251.8951, 0.3514,
0.4663

 3.4693, 0.2376,
0.7624

 302.8714, 0.3499,

 1.3814, 0.0065,

0.4577

0.9935

360.2992, 0.3485,
0.4501

0.2029, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

59.9905, 0.3572,
0.5516

59.9905, 0.3572,
0.5516

59.5217, 0.3546,
0.5566

60.8870, 0.3603,
0.5399

61.9245, 0.3611,
0.5230

63.1210, 0.3593,
0.5014

64.4891, 0.3553,
0.4763

■ 66.0399, 0.3494,
0.4489

■ 67.7832, 0.3421,
0.4205

■ 69.7282, 0.3338,
0.3922

■ 71.8832, 0.3251,
0.3649

■ 74.2561, 0.3163,
0.3391

Harmonies

Analogous

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



59.9905, 0.4563, 0.4958



59.9905, 0.3572, 0.5516



59.9905, 0.2529, 0.5145

Triad

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



59.9905, 0.3572, 0.5516



59.9905, 0.1297, 0.1882



59.9905, 0.4637, 0.2676

Complementary

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



59.9905, 0.3572, 0.5516



8.0181, 0.1854, 0.0818

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.



59.9905, 0.3414, 0.2093



59.9905, 0.3572, 0.5516



59.9905, 0.1617, 0.1648

Square

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



59.9905, 0.3572, 0.5516



59.9905, 0.1310, 0.2561



59.9905, 0.2315, 0.1733



59.9905, 0.5363, 0.3377

Rectangle

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



59.9905, 0.3572, 0.5516



59.9905, 0.1938, 0.4298



59.9905, 0.2315, 0.1733



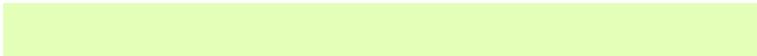
59.9905, 0.4252, 0.2463

Sweetspot

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



59.9931, 0.3572, 0.5516



91.5158, 0.3373, 0.4036



23.4981, 0.5673, 0.3824



19.3511, 0.3408, 0.4159



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.



59.9931, 0.3572, 0.5516



78.9764, 0.3542, 0.5570



54.3661, 0.3046, 0.5928



15.7607, 0.3210, 0.3526



34.3644, 0.3556, 0.5559



2.4325, 0.3654, 0.5481

Inverse Universe

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



8.0181, 0.1854, 0.0818



9.6618, 0.1784, 0.0756



17.5691, 0.2891, 0.1384



13.4912, 0.3039, 0.3052



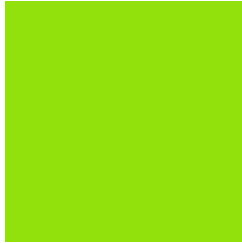
4.2793, 0.1806, 0.0769



0.3465, 0.1979, 0.0864

Previews

White Background



This preview shows how the Yxy color 59.9905, 0.3572, 0.5516 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 59.9905, 0.3572, 0.5516 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

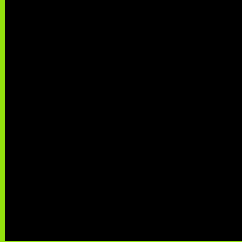
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 59.9905, 0.3572, 0.5516

Background



This preview shows how black text looks on a background with the Yxy color 59.9905, 0.3572, 0.5516.

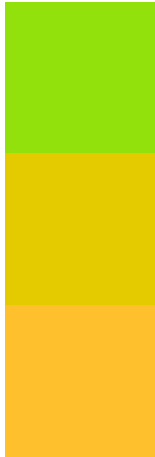


This preview shows how white text looks on a background with the Yxy color 59.9905, 0.3572, 0.5516.

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

59.9905, 0.3572, 0.5516

Protanopia

59.2059, 0.4403, 0.4886

Deuteranopia

59.1487, 0.4644, 0.4535



Tritanopia

59.5269, 0.2739, 0.3083

Trichromacy



Original Color

59.9905, 0.3572, 0.5516

Protanomaly

58.6053, 0.4081, 0.5131

Deuteranomaly

57.7426, 0.4243, 0.4911

Tritanomaly

58.3479, 0.3170, 0.4164

Monochromacy



Original Color

59.9905, 0.3572, 0.5516

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

47.9749, 0.3467, 0.4350

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.9905, 0.3572, 0.5516 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(146, 225, 13)` looks like.

```
.text, #text, p{  
    color:rgb(146, 225, 13)  
}
```

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(146, 225, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 225, 13) }
```

Border

The CSS property to change the border of an element to Yxy 59.9905, 0.3572, 0.5516 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(146, 225, 13) }
```

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

```
.border{ border-color:rgb(146, 225, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 225, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 225, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 225, 13);  
box-shadow:4px 4px 4px 4px rgb(146, 225,  
13) }
```


Background

The CSS property to change the background color of an element to Yxy 59.9905, 0.3572, 0.5516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 225, 13) }
```

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

```
.background{ background-color: rgb(146,  
225, 13) }
```

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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