

Converting Colors

$Yxy(66.1480, 0.3372, 0.5651)$

Have a look what the booklet for
Yxy(66.1480, 0.3372, 0.5651)
contains.

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Color

Yxy(66.1509, 0.3371, 0.5651)

Conversions

Conversions Part 1

Format	Color
Hex	7DEF16
RGB	125, 239, 22
RGB Percent	49%, 94%, 9%
CMY	0.5101, 0.0627, 0.9136
CMYK	0.48, 0.00, 0.91, 0.06
HSL	92°, 87%, 51%
HSV	92°, 91%, 94%
XYZ	39.4611, 66.1509, 11.4485
YIQ	180.1760, 1.7130, -91.6550

Conversions

Conversions Part 2

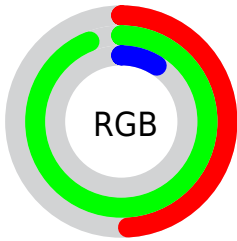
Format	Color
R _Y B	22, 239, 136
Decimal	8253206
CIE Lab	85.07, -62.66, 79.87
CIE LCh	85, 101.512, 128.115
Yxy	66.1509, 0.3371, 0.5651
Android (android.graphics.Color)	4286443286 (0xFF7DEF16)
YUV	180.1760, -77.9808, -48.3894
Hunter-Lab	81.3332, -55.7288, 48.5875

Details

The Yxy color **66.1509, 0.3371, 0.5651** is a dark color, and the websafe version is hex **99FF33**. The color can be described as dark washed chartreuse. A complement of this color would be **12.0526, 0.2157, 0.0998**, and the grayscale version is **46.1625, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8036, 0.3524, 0.5021**, and **34.3554, 0.3159, 0.5874** is the 20% darker color. If you saturate the color by 10%, you get **65.2745, 0.3321, 0.5745**, and if you desaturate by 10%, it is **67.2982, 0.3411, 0.5497**.

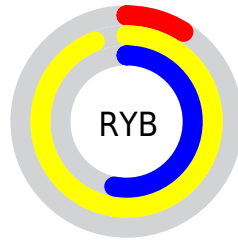
Distribution



Red (49%)

Green (94%)

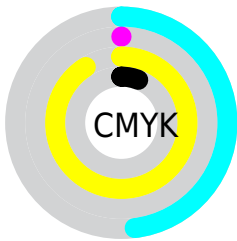
Blue (9%)



Red (9%)

Yellow (94%)

Blue (53%)

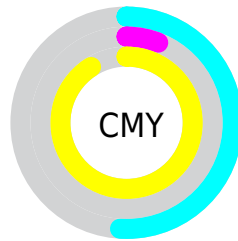


Cyan (48%)

Magenta (0%)

Yellow (91%)

Black (6%)



Cyan (51%)


Magenta (6%)


Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 66.1509, 0.3371, 0.5651 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 66.1509, 0.3371, 0.5651 by changing the saturation by 10% instead.


 66.1509, 0.3371,
0.5651


 66.1509, 0.3371,
0.5651


446.9164, 0.3372,
0.4498


 48.3949, 0.3332,
0.5906

 113.7029, 0.3401,
0.5253


 34.1397, 0.3261,
0.6207


 144.2677, 0.3404,
0.5096


 23.0010, 0.3138,
0.6560


 179.8709, 0.3403,
0.4961

 14.5942, 0.2960,
0.7040

 220.8968, 0.3398,
0.4843

 8.5351, 0.2581,
0.7419

 267.7299, 0.3393,
0.4741

 4.4392, 0.2040,
0.7960


 320.7546, 0.3386,

 1.9222, 0.0286,


0.4650


0.9714


380.3553, 0.3379,
0.4570


 0.5616, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 66.1509, 0.3371,
0.5651


 66.1509, 0.3371,
0.5651

 65.2745, 0.3321,
0.5745

 67.2982, 0.3411,
0.5497

 68.6713, 0.3430,
0.5286

 70.2921, 0.3428,
0.5029

 72.1774, 0.3405,
0.4741

■ 74.3419, 0.3367,
0.4438

■ 76.7991, 0.3316,
0.4134

■ 79.5613, 0.3258,
0.3840

■ 82.6404, 0.3196,
0.3563

■ 86.0472, 0.3132,
0.3309

Harmonies

Analogous

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



66.1509, 0.4426, 0.5148



66.1509, 0.3371, 0.5651



66.1509, 0.2311, 0.5050

Triad

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



66.1509, 0.3371, 0.5651



66.1509, 0.1269, 0.1753



66.1509, 0.4903, 0.2768

Complementary

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



66.1509, 0.3371, 0.5651



12.0526, 0.2157, 0.0998

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.



66.1509, 0.3659, 0.2140



66.1509, 0.3371, 0.5651



66.1509, 0.1659, 0.1584

Square

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



66.1509, 0.3371, 0.5651



66.1509, 0.1217, 0.2351



66.1509, 0.2453, 0.1724



66.1509, 0.5505, 0.3495

Rectangle

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



66.1509, 0.3371, 0.5651



66.1509, 0.1747, 0.4071



66.1509, 0.2453, 0.1724



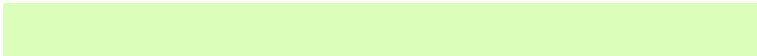
66.1509, 0.4528, 0.2542

Sweetspot

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



66.1537, 0.3371, 0.5651



90.1004, 0.3295, 0.4024



35.5006, 0.5206, 0.4173



19.0585, 0.3315, 0.4126



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.



66.1537, 0.3371, 0.5651



75.5793, 0.3318, 0.5747



61.9852, 0.2999, 0.5924



18.0239, 0.3187, 0.3529



36.1443, 0.3332, 0.5736



3.0657, 0.3433, 0.5656

Inverse Universe

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



12.0526, 0.2157, 0.0998



12.2948, 0.2056, 0.0906



24.9495, 0.3246, 0.1590



15.6377, 0.3062, 0.3052



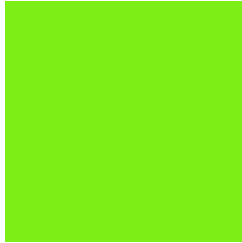
5.9599, 0.2075, 0.0917



0.5550, 0.2214, 0.0993

Previews

White Background



This preview shows how the Yxy color 66.1509, 0.3371, 0.5651 looks on a white background.

Color Contrast Check

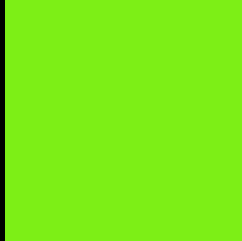
Large Text (above 18pt) WCAG AA × Fail

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 66.1509, 0.3371, 0.5651 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

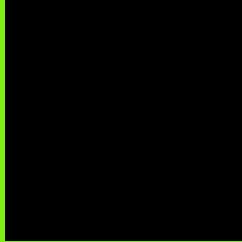
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 66.1509, 0.3371, 0.5651

Background



This preview shows how black text looks on a background with the Yxy color 66.1509, 0.3371, 0.5651.



This preview shows how white text looks on a background with the Yxy color 66.1509, 0.3371, 0.5651.

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

66.1509, 0.3371, 0.5651

Protanopia

65.2663, 0.4402, 0.4885

Deuteranopia

65.1417, 0.4224, 0.4200



Tritanopia

65.5024, 0.2599, 0.3075

Trichromacy



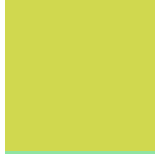
Original Color

66.1509, 0.3371, 0.5651



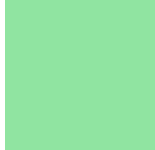
Protanomaly

64.1326, 0.3988, 0.5198



Deuteranomaly

63.0861, 0.3941, 0.4783



Tritanomaly

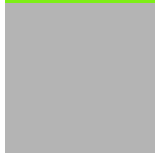
63.9893, 0.2979, 0.4173

Monochromacy



Original Color

66.1509, 0.3371, 0.5651



Achromatopsia

45.6411, 0.3127, 0.3290



Achromatomaly

50.6769, 0.3356, 0.4365

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.1509, 0.3371, 0.5651 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(125, 239, 22)` looks like.

```
.text, #text, p{  
    color:rgb(125, 239, 22)  
}
```

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(125, 239, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 239, 22) }
```

Border

The CSS property to change the border of an element to Yxy 66.1509, 0.3371, 0.5651 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(125, 239, 22) }
```

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

```
.border{ border-color:rgb(125, 239, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 239, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 239, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 239, 22);  
box-shadow:4px 4px 4px 4px rgb(125, 239,  
22) }
```


Background

The CSS property to change the background color of an element to Yxy 66.1509, 0.3371, 0.5651 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 239, 22) }
```

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

```
.background{ background-color: rgb(125,  
239, 22) }
```

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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