

Converting Colors

$Yxy(61.9489, 0.2974, 0.5393)$

Have a look what the booklet for
Yxy(61.9489, 0.2974, 0.5393)
contains.

Yxy(61.9489, 0.2974, 0.5393)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(61.9489, 0.2974, 0.5393)

Conversions

Conversions Part 1

Format	Color
Hex	46EC55
RGB	70, 236, 85
RGB Percent	27%, 93%, 33%
CMY	0.7255, 0.0745, 0.6665
CMYK	0.70, 0.00, 0.64, 0.07
HSL	125°, 81%, 60%
HSV	125°, 70%, 93%
XYZ	34.1621, 61.9489, 18.7581
YIQ	169.1520, -50.4650, -82.1530

Conversions

Conversions Part 2

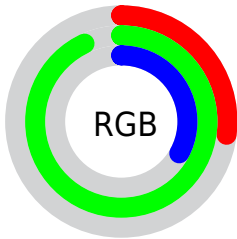
Format	Color
RYB	70, 222, 236
Decimal	4648021
CIELab	82.89, -70.73, 59.21
CIELCh	83, 92.244, 140.069
Yxy	61.9489, 0.2974, 0.5393
Android (android.graphics.Color)	4282838101 (0xFF46EC55)
YUV	169.1520, -41.4869, -86.9563
Hunter-Lab	78.7076, -60.2626, 40.9650

Details

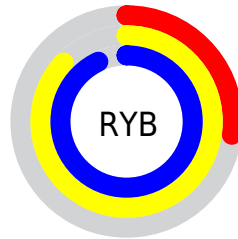
The Yxy color **61.9489, 0.2974, 0.5393** is a dark color, and the websafe version is hex **66FF66**. The color can be described as dark muted green. A complement of this color would be **27.4327, 0.3360, 0.1850**, and the grayscale version is **39.9867, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.9024, 0.3055, 0.4714**, and **32.3061, 0.2970, 0.5892** is the 20% darker color. If you saturate the color by 10%, you get **60.9484, 0.2972, 0.5650**, and if you desaturate by 10%, it is **63.4026, 0.2984, 0.5086**.

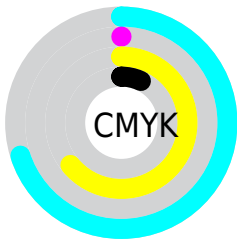
Distribution



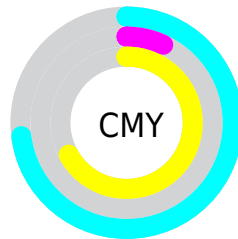
- Red (27%)
- Green (93%)
- Blue (33%)



- Red (27%)
- Yellow (87%)
- Blue (93%)



- Cyan (70%)
- Magenta (0%)
- Yellow (64%)
- Black (7%)





- Cyan (73%)
- Magenta (7%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 61.9489, 0.2974, 0.5393 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 61.9489, 0.2974, 0.5393 by changing the saturation by 10% instead.


 61.9489, 0.2974,
0.5393


 61.9489, 0.2974,
0.5393


431.7447, 0.3119,
0.4310


 44.9914, 0.2916,
0.5660


 107.6517, 0.3043,
0.4999

 31.4507, 0.2830,
0.5995


 137.1657, 0.3064,
0.4851

 20.9423, 0.2698,
0.6421

 171.6341, 0.3080,
0.4725

 13.0818, 0.2485,
0.6966

 211.4412, 0.3092,
0.4618

 7.4849, 0.2179,
0.7821

256.9715, 0.3101,
0.4525

 3.7672, 0.1532,
0.8468

308.6092, 0.3109,

 1.5442, 0.0000,

0.4444

1.0000

366.7388, 0.3114,
0.4373

■ 0.3195, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 61.9489, 0.2974,
0.5393

■ 61.9489, 0.2974,
0.5393

■ 60.9484, 0.2972,
0.5650

■ 63.4026, 0.2984,
0.5086


■ 60.3406, 0.2977,
0.5839


■ 65.3463, 0.3001,
0.4754


■ 60.0484, 0.2986,
0.5950

■ 67.8218, 0.3023,
0.4419

■ 70.8643, 0.3049,
0.4097

 74.5060, 0.3075,
0.3800

 78.7766, 0.3101,
0.3533

 83.7039, 0.3126,
0.3297

 88.4728, 0.3136,
0.3107

Harmonies

Analogous

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



61.9489, 0.4003, 0.5309



61.9489, 0.2974, 0.5393



61.9489, 0.2035, 0.4396

Triad

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



61.9489, 0.2974, 0.5393



61.9489, 0.1470, 0.1733



61.9489, 0.5105, 0.3083

Complementary

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



61.9489, 0.2974, 0.5393



27.4327, 0.3360, 0.1850

Split Complementary

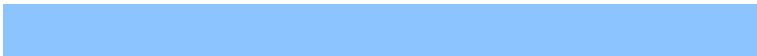
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



61.9489, 0.4119, 0.2427



61.9489, 0.2974, 0.5393



61.9489, 0.1993, 0.1691

Square

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



61.9489, 0.2974, 0.5393



61.9489, 0.1294, 0.2132



61.9489, 0.2914, 0.1935



61.9489, 0.5355, 0.3814

Rectangle

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



61.9489, 0.2974, 0.5393



61.9489, 0.1602, 0.3459



61.9489, 0.2914, 0.1935



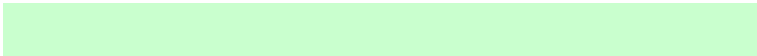
61.9489, 0.4841, 0.2853

Sweetspot

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



61.9515, 0.2974, 0.5393



88.4708, 0.3073, 0.3821



75.9915, 0.3966, 0.4918



18.6663, 0.3066, 0.3901



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.



61.9515, 0.2974, 0.5393



72.3157, 0.2973, 0.5735



64.0789, 0.2626, 0.4263



16.8843, 0.3103, 0.3511



33.1067, 0.2983, 0.5938



2.6073, 0.2941, 0.5788

Inverse Universe

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



27.4327, 0.3360, 0.1850



28.8649, 0.3408, 0.1722



24.0830, 0.4482, 0.2604



15.2889, 0.3152, 0.3079



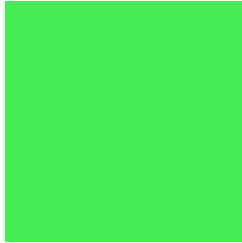
12.5337, 0.3451, 0.1675



0.9911, 0.3413, 0.1654

Previews

White Background



This preview shows how the Yxy color 61.9489, 0.2974, 0.5393 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 61.9489, 0.2974, 0.5393 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

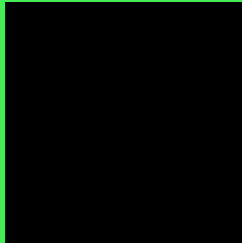
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 61.9489, 0.2974, 0.5393

Background



This preview shows how black text looks on a background with the Yxy color 61.9489, 0.2974, 0.5393.

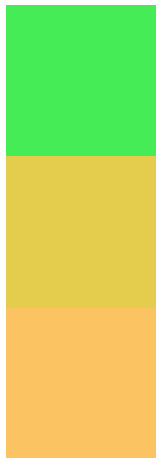


This preview shows how white text looks on a background with the Yxy color 61.9489, 0.2974, 0.5393.

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

61.9489, 0.2974, 0.5393

Protanopia

60.6784, 0.4194, 0.4616

Deuteranopia

60.6075, 0.4342, 0.4254



Tritanopia

61.5897, 0.2412, 0.3063

Trichromacy



Original Color

61.9489, 0.2974, 0.5393



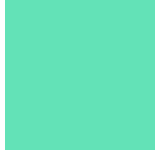
Protanomaly

58.3342, 0.3639, 0.4965



Deuteranomaly

57.3226, 0.3722, 0.4713



Tritanomaly

60.4643, 0.2627, 0.3884

Monochromacy



Original Color

61.9489, 0.2974, 0.5393



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

44.9615, 0.3051, 0.4115

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.9489, 0.2974, 0.5393 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(70, 236, 85)` looks like.

```
.text, #text, p{  
    color:rgb(70, 236, 85)  
}
```

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(70, 236, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 236, 85) }
```

Border

The CSS property to change the border of an element to Yxy 61.9489, 0.2974, 0.5393 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(70, 236, 85) }
```

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

```
.border{ border-color:rgb(70, 236, 85) }
```

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

Here you see how a box with a 4 pixel rgb(70, 236, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 236, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 236, 85);  
box-shadow:4px 4px 4px 4px rgb(70, 236,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 61.9489, 0.2974, 0.5393 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 236, 85) }
```

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

```
.background{ background-color: rgb(70, 236,  
85) }
```

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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