

Converting Colors

$Yxy(64.7267, 0.3366, 0.5699)$

Have a look what the booklet for
Yxy(64.7267, 0.3366, 0.5699)
contains.

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Color

Yxy(64.6443, 0.3367, 0.5698)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | 79ED05 |
| RGB | 121, 237, 5 |
| RGB Percent | 47%, 93%, 2% |
| CMY | 0.5254, 0.0706, 0.9803 |
| CMYK | 0.49, 0.00, 0.98, 0.07 |
| HSL | 90°, 96%, 47% |
| HSV | 90°, 98%, 93% |
| XYZ | 38.1989, 64.6443, 10.6077 |
| YIQ | 175.8680, 5.3360, -96.7440 |

Conversions

Conversions Part 2

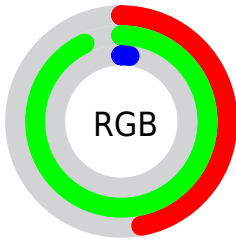
| Format | Color |
|-------------------------------------|--|
| RYB | 5, 237, 121 |
| Decimal | 7990533 |
| CIELab | 84.30, -63.34, 80.90 |
| CIELCh | 84, 102.752, 128.059 |
| Yxy | 64.6443, 0.3367, 0.5698 |
| Android (android.graphics.Color) | 4286180613 (0xFF79ED05) |
| YUV | 175.8680, -84.2379, -48.1192 |
| Hunter-Lab | 80.4017, -55.8974, 48.4589 |

Details

The Yxy color **64.6443, 0.3367, 0.5698** 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 **10.2891, 0.2030, 0.0899**, and the grayscale version is **43.7948, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3426, 0.3523, 0.5074**, and **33.3726, 0.3133, 0.5894** is the 20% darker color. If you saturate the color by 10%, you get **64.4568, 0.3355, 0.5718**, and if you desaturate by 10%, it is **65.6330, 0.3418, 0.5586**.

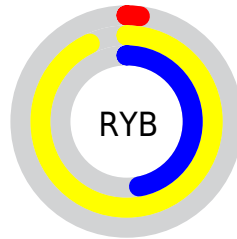
Distribution



Red (47%)

Green (93%)

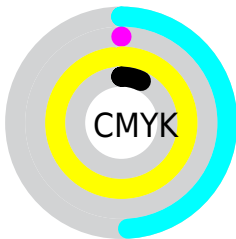
Blue (2%)



Red (2%)

Yellow (93%)

Blue (47%)

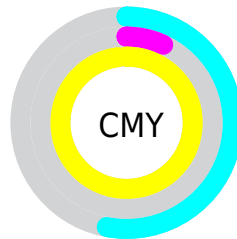


Cyan (49%)

Magenta (0%)

Yellow (98%)

Black (7%)



Cyan (53%)


Magenta (7%)

Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.6443, 0.3367, 0.5698 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 64.6443, 0.3367, 0.5698 by changing the saturation by 10% instead.

 64.6443, 0.3367,
0.5698

 64.6443, 0.3367,
0.5698


441.5126, 0.3376,
0.4520


 47.1727, 0.3323,
0.5958


 111.5383, 0.3402,
0.5291

 33.1722, 0.3247,
0.6264


 141.7295, 0.3406,
0.5131


 22.2584, 0.3114,
0.6621


 176.9294, 0.3405,
0.4993

 14.0469, 0.2914,
0.7086

 217.5224, 0.3401,
0.4873

 8.1533, 0.2521,
0.7479

 263.8928, 0.3396,
0.4768

 4.1932, 0.1960,
0.8040

 316.4250, 0.3390,

 1.7822, 0.0000,

0.4675

1.0000

375.5035, 0.3383,
0.4593

■ 0.4760, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 64.6443, 0.3367,
0.5698

■ 64.6443, 0.3367,
0.5698

■ 64.4568, 0.3355,
0.5718


■ 65.6330, 0.3418,
0.5586


■ 66.8157, 0.3450,
0.5418


■ 68.2180, 0.3460,
0.5197


■ 69.8572, 0.3447,
0.4934

 71.7484, 0.3416,
0.4644

 73.9051, 0.3369,
0.4343

 76.3397, 0.3312,
0.4044

 79.0638, 0.3248,
0.3756

 82.0880, 0.3180,
0.3487

Harmonies

Analogous

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



64.6443, 0.4438, 0.5169



64.6443, 0.3367, 0.5698



64.6443, 0.2294, 0.5094

Triad

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



64.6443, 0.3367, 0.5698



64.6443, 0.1243, 0.1729



64.6443, 0.4935, 0.2754

Complementary

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



64.6443, 0.3367, 0.5698



10.2891, 0.2030, 0.0899

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.



64.6443, 0.3665, 0.2121



64.6443, 0.3367, 0.5698



64.6443, 0.1636, 0.1560

Square

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



64.6443, 0.3367, 0.5698



64.6443, 0.1191, 0.2332



64.6443, 0.2438, 0.1702



64.6443, 0.5546, 0.3488

Rectangle

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



64.6443, 0.3367, 0.5698



64.6443, 0.1723, 0.4089



64.6443, 0.2438, 0.1702



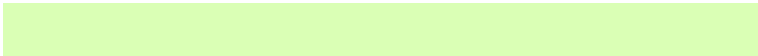
64.6443, 0.4552, 0.2527

Sweetspot

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



64.6471, 0.3367, 0.5698



89.7679, 0.3319, 0.4080



30.7729, 0.5438, 0.4049



18.9455, 0.3344, 0.4208



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.



64.6471, 0.3367, 0.5698



76.0711, 0.3353, 0.5720



60.6380, 0.3003, 0.5986



17.2321, 0.3191, 0.3528



35.2684, 0.3367, 0.5709



2.8266, 0.3472, 0.5625

Inverse Universe

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



10.2891, 0.2030, 0.0899



11.7699, 0.2004, 0.0878



23.5702, 0.3168, 0.1524



14.9189, 0.3058, 0.3052



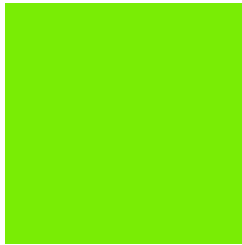
5.5381, 0.2025, 0.0889



0.4921, 0.2174, 0.0971

Previews

White Background



This preview shows how the Yxy color 64.6443, 0.3367, 0.5698 looks on a white background.

Color Contrast Check

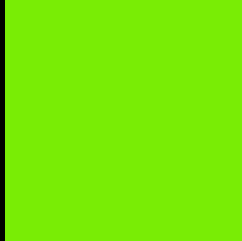
Large Text (above 18pt) WCAG AA × Fail

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 64.6443, 0.3367, 0.5698 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

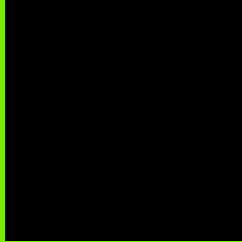
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.6443, 0.3367, 0.5698

Background



This preview shows how black text looks on a background with the Yxy color 64.6443, 0.3367, 0.5698.



This preview shows how white text looks on a background with the Yxy color 64.6443, 0.3367, 0.5698.

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

64.6443, 0.3367, 0.5698

Protanopia

63.4338, 0.4413, 0.4878

Deuteranopia

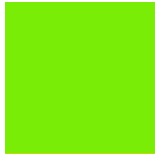
63.4694, 0.4326, 0.4280



Tritanopia

64.0348, 0.2590, 0.3072

Trichromacy



Original Color

64.6443, 0.3367, 0.5698



Protanomaly

62.1368, 0.3990, 0.5210



Deuteranomaly

61.0920, 0.4002, 0.4870



Tritanomaly

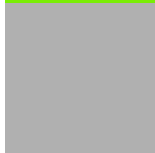
62.3553, 0.3006, 0.4267

Monochromacy



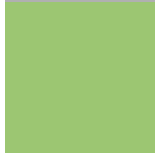
Original Color

64.6443, 0.3367, 0.5698



Achromatopsia

43.4154, 0.3127, 0.3290



Achromatomaly

48.6710, 0.3390, 0.4466

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.6443, 0.3367, 0.5698 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(121, 237, 5)` looks like.

```
.text, #text, p{  
    color:rgb(121, 237, 5)  
}
```

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(121, 237, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 237, 5) }
```

Border

The CSS property to change the border of an element to Yxy 64.6443, 0.3367, 0.5698 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(121, 237, 5) }
```

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

```
.border{ border-color:rgb(121, 237, 5) }
```

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

Here you see how a box with a 4 pixel rgb(121, 237, 5) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 237, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 237, 5);  
box-shadow:4px 4px 4px 4px rgb(121, 237,  
5) }
```


Background

The CSS property to change the background color of an element to Yxy 64.6443, 0.3367, 0.5698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 237, 5) }
```

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

```
.background{ background-color: rgb(121,  
237, 5) }
```

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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