

Converting Colors

$Y_{xy}(121.7352, 0.3107, 0.5499)$

Have a look what the booklet for
Yxy(121.7352, 0.3107, 0.5499)
contains.

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Color

Yxy(76.7245, 0.3163, 0.5238)

Conversions

Conversions Part 1

Format	Color
Hex	7DFF60
RGB	125, 255, 96
RGB Percent	49%, 100%, 38%
CMY	0.5097, 0.0000, 0.6237
CMYK	0.51, 0.00, 0.62, 0.00
HSL	109°, 100%, 69%
HSV	109°, 62%, 100%
XYZ	46.3306, 76.7245, 23.4216
YIQ	198.0040, -26.4410, -77.0090

Conversions

Conversions Part 2

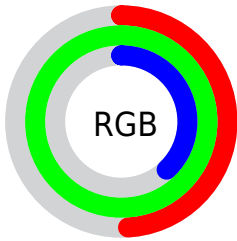
Format	Color
RYB	96, 255, 226
Decimal	8257376
CIELab	90.19, -64.23, 63.26
CIELCh	90, 90.154, 135.438
Yxy	76.7245, 0.3163, 0.5238
Android (android.graphics.Color)	4286447456 (0xFF7DFF60)
YUV	198.0040, -50.2880, -64.0245
Hunter-Lab	87.5925, -58.8724, 45.4610

Details

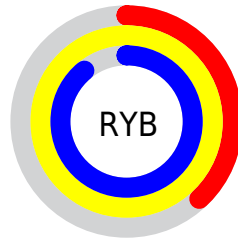
The Yxy color **76.7245, 0.3163, 0.5238** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **31.7333, 0.2924, 0.1732**, and the grayscale version is **56.8011, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.2261, 0.3270, 0.4465**, and **40.9656, 0.3083, 0.5729** is the 20% darker color. If you saturate the color by 10%, you get **74.9228, 0.3142, 0.5524**, and if you desaturate by 10%, it is **79.0109, 0.3175, 0.4911**.

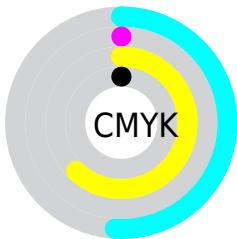
Distribution



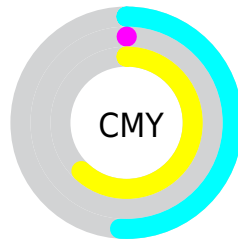
- Red (49%)
- Green (100%)
- Blue (38%)



- Red (38%)
- Yellow (100%)
- Blue (89%)



- Cyan (51%)
- Magenta (0%)
- Yellow (62%)
- Black (0%)




- Cyan (51%)
- Magenta (0%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.7245, 0.3163, 0.5238 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 76.7245, 0.3163, 0.5238 by changing the saturation by 10% instead.

 76.7245, 0.3163,
0.5238

 76.7245, 0.3163,
0.5238

483.8242, 0.3212,
0.4283


 57.0268, 0.3132,
0.5460


 128.7505, 0.3195,
0.4901


 41.0267, 0.3084,
0.5734

 161.8476, 0.3203,
0.4771

 28.3400, 0.3005,
0.6074


 200.1799, 0.3208,
0.4660

 18.5821, 0.2874,
0.6499

 244.1319, 0.3211,
0.4564

 11.3687, 0.2666,
0.7071

294.0879, 0.3212,
0.4480

 6.3154, 0.2281,
0.7719


350.4324, 0.3213,


 3.0378, 0.1549,

0.4406

0.8451


413.5497, 0.3212,
0.4341


 1.1515, 0.0000,
1.0000


 0.0216, 0.0000,
1.0000


 76.7245, 0.3163,
0.5238


 76.7245, 0.3163,
0.5238


 74.9228, 0.3142,
0.5524


 79.0109, 0.3175,
0.4911


 73.5645, 0.3112,
0.5748

 81.8090, 0.3177,
0.4568

 72.6097, 0.3077,
0.5895

 85.1500, 0.3172,
0.4229

 72.1154, 0.3051,
0.5960

 89.0608, 0.3162,
0.3908

 93.5669, 0.3148,
0.3613

 98.6918, 0.3131,
0.3348

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



76.7245, 0.4112, 0.5085



76.7245, 0.3163, 0.5238



76.7245, 0.2253, 0.4472

Triad

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



76.7245, 0.3163, 0.5238



76.7245, 0.1534, 0.1879



76.7245, 0.4829, 0.3016

Complementary

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



76.7245, 0.3163, 0.5238



31.7333, 0.2924, 0.1732

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.



76.7245, 0.3866, 0.2410



76.7245, 0.3163, 0.5238



76.7245, 0.1979, 0.1786

Square

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



76.7245, 0.3163, 0.5238



76.7245, 0.1417, 0.2330



76.7245, 0.2784, 0.1976



76.7245, 0.5192, 0.3705

Rectangle

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



76.7245, 0.3163, 0.5238



76.7245, 0.1801, 0.3647



76.7245, 0.2784, 0.1976



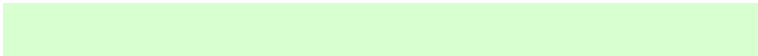
76.7245, 0.4556, 0.2801

Sweetspot

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



76.7262, 0.3163, 0.5238



90.5120, 0.3158, 0.3805



76.4103, 0.4172, 0.4521



19.1088, 0.3161, 0.3892



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.



76.7262, 0.3163, 0.5238



74.5241, 0.3135, 0.5590



76.0896, 0.2836, 0.4712



20.3278, 0.3143, 0.3534



37.7275, 0.3058, 0.5954



3.7144, 0.3124, 0.5902

Inverse Universe

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



31.7333, 0.2924, 0.1732



26.0793, 0.2863, 0.1512



34.0076, 0.3722, 0.2244



18.1226, 0.3109, 0.3054



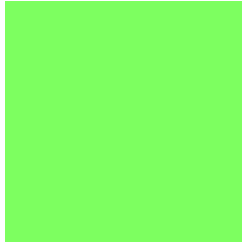
10.8687, 0.2749, 0.1288



1.0999, 0.2804, 0.1319

Previews

White Background



This preview shows how the Yxy color 76.7245, 0.3163, 0.5238 looks on a white background.

Color Contrast Check

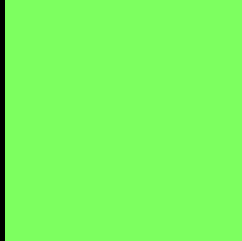
Large Text (above 18pt) WCAG AA × Fail

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 76.7245, 0.3163, 0.5238 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

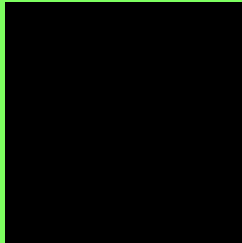
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

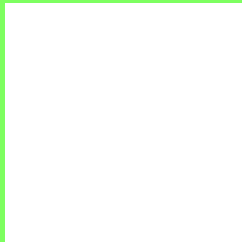
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.7245, 0.3163, 0.5238

Background



This preview shows how black text looks on a background with the Yxy color 76.7245, 0.3163, 0.5238.



This preview shows how white text looks on a background with the Yxy color 76.7245, 0.3163, 0.5238.

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

76.7245, 0.3163, 0.5238

Protanopia

75.5901, 0.4182, 0.4601

Deuteranopia

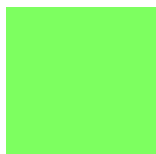
75.5415, 0.3704, 0.3752



Tritanopia

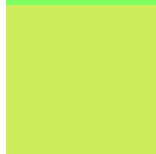
76.3684, 0.2602, 0.3098

Trichromacy



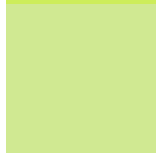
Original Color

76.7245, 0.3163, 0.5238



Protanomaly

74.2857, 0.3756, 0.4869



Deuteranomaly

73.7630, 0.3501, 0.4280



Tritanomaly

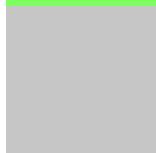
75.2166, 0.2826, 0.3864

Monochromacy



Original Color

76.7245, 0.3163, 0.5238



Achromatopsia

56.4712, 0.3127, 0.3290



Achromatomaly

61.8942, 0.3162, 0.4031

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.7245, 0.3163, 0.5238 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, 255, 96)` looks like.

```
.text, #text, p{  
    color:rgb(125, 255, 96)  
}
```

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, 255, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 255, 96) }
```

Border

The CSS property to change the border of an element to Yxy 76.7245, 0.3163, 0.5238 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, 255, 96) }
```

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

```
.border{ border-color:rgb(125, 255, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 255, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 255, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 255, 96);  
box-shadow:4px 4px 4px 4px rgb(125, 255,  
96) }
```


Background

The CSS property to change the background color of an element to Yxy 76.7245, 0.3163, 0.5238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 255, 96) }
```

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

```
.background{ background-color: rgb(125,  
255, 96) }
```

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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