

Converting Colors

$Y_{xy}(75.7543, 0.3359, 0.4913)$

Have a look what the booklet for
Yxy(75.7543, 0.3359, 0.4913)
contains.

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Color

Yxy(75.7543, 0.3359, 0.4913)

Conversions

Conversions Part 1

Format	Color
Hex	A6F76E
RGB	166, 247, 110
RGB Percent	65%, 97%, 43%
CMY	0.3492, 0.0313, 0.5686
CMYK	0.33, 0.00, 0.55, 0.03
HSL	96°, 90%, 70%
HSV	96°, 55%, 97%
XYZ	51.7929, 75.7543, 26.6443
YIQ	207.1630, -4.2990, -59.7790

Conversions

Conversions Part 2

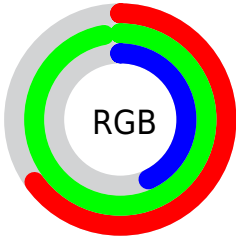
Format	Color
RYB	110, 247, 191
Decimal	10942318
CIELab	89.75, -47.40, 57.22
CIElCh	90, 74.307, 129.638
Yxy	75.7543, 0.3359, 0.4913
Android (android.graphics.Color)	4289132398 (0xFFA6F76E)
YUV	207.1630, -47.9014, -36.1000
Hunter-Lab	87.0369, -46.0949, 42.7756

Details

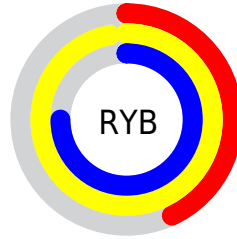
The Yxy color **75.7543, 0.3359, 0.4913** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **28.9548, 0.2673, 0.1764**, and the grayscale version is **62.8191, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.0839, 0.3449, 0.4239**, and **40.3540, 0.3351, 0.5322** is the 20% darker color. If you saturate the color by 10%, you get **73.8022, 0.3364, 0.5200**, and if you desaturate by 10%, it is **78.0424, 0.3337, 0.4604**.

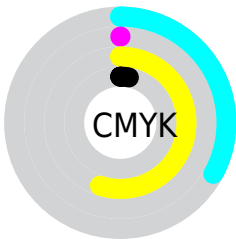
Distribution



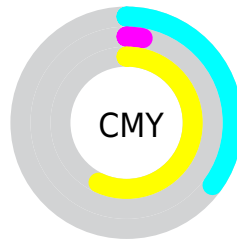
- Red (65%)
- Green (97%)
- Blue (43%)



- Red (43%)
- Yellow (97%)
- Blue (75%)



- Cyan (33%)
- Magenta (0%)
- Yellow (55%)
- Black (3%)




- Cyan (35%)
- Magenta (3%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.7543, 0.3359, 0.4913 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 75.7543, 0.3359, 0.4913 by changing the saturation by 10% instead.

 75.7543, 0.3359,
0.4913


 75.7543, 0.3359,
0.4913


480.5062, 0.3298,
0.4128


 56.2311, 0.3358,
0.5095


 127.3795, 0.3349,
0.4637

 40.3882, 0.3349,
0.5318


 160.2503, 0.3342,
0.4531

 27.8414, 0.3323,
0.5597


 198.3391, 0.3334,
0.4439

 18.2061, 0.3265,
0.5949

 242.0302, 0.3327,
0.4360

 11.0981, 0.3146,
0.6399

291.7081, 0.3319,
0.4291

 6.1328, 0.2941,
0.7059

347.7571, 0.3312,

 2.9260, 0.2398,

0.4230

0.7602

410.5617, 0.3305,
0.4176

■ 1.0932, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 75.7543, 0.3359,
0.4913

■ 75.7543, 0.3359,
0.4913

■ 73.8022, 0.3364,
0.5200

■ 78.0424, 0.3337,
0.4604

■ 72.1574, 0.3349,
0.5447


■ 80.6737, 0.3303,
0.4290


■ 70.8021, 0.3315,
0.5639


■ 83.6671, 0.3258,
0.3983


■ 69.7110, 0.3264,
0.5768

■ 87.0373, 0.3209,
0.3693

 69.2890, 0.3238,
0.5811

 90.7980, 0.3156,
0.3426

 94.7535, 0.3122,
0.3214

 95.0104, 0.3131,
0.3214

Harmonies

Analogous

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



75.7543, 0.4150, 0.4744



75.7543, 0.3359, 0.4913



75.7543, 0.2550, 0.4413

Triad

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



75.7543, 0.3359, 0.4913



75.7543, 0.1707, 0.2140



75.7543, 0.4414, 0.2970

Complementary

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



75.7543, 0.3359, 0.4913



28.9548, 0.2673, 0.1764

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.



75.7543, 0.3572, 0.2453



75.7543, 0.3359, 0.4913



75.7543, 0.2049, 0.1988

Square

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



75.7543, 0.3359, 0.4913



75.7543, 0.1667, 0.2622



75.7543, 0.2693, 0.2106



75.7543, 0.4846, 0.3576

Rectangle

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



75.7543, 0.3359, 0.4913



75.7543, 0.2113, 0.3791



75.7543, 0.2693, 0.2106



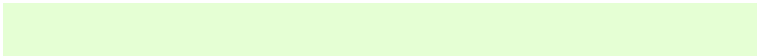
75.7543, 0.4162, 0.2784

Sweetspot

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



75.7576, 0.3359, 0.4913



92.9715, 0.3217, 0.3737



57.6980, 0.4255, 0.4121



19.7394, 0.3227, 0.3794



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.



75.7576, 0.3359, 0.4913



79.0237, 0.3363, 0.5244



71.2365, 0.2996, 0.4943



18.8023, 0.3177, 0.3530



36.7178, 0.3250, 0.5801



3.2856, 0.3348, 0.5724

Inverse Universe

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



28.9548, 0.2673, 0.1764



23.9281, 0.2545, 0.1475



36.9624, 0.3296, 0.2064



16.4113, 0.3072, 0.3052



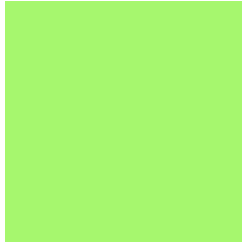
6.8757, 0.2213, 0.0993



0.6643, 0.2334, 0.1060

Previews

White Background



This preview shows how the Yxy color 75.7543, 0.3359, 0.4913 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 75.7543, 0.3359, 0.4913 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

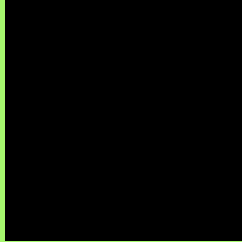
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 75.7543, 0.3359, 0.4913

Background



This preview shows how black text looks on a background with the Yxy color 75.7543, 0.3359, 0.4913.



This preview shows how white text looks on a background with the Yxy color 75.7543, 0.3359, 0.4913.

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

75.7543, 0.3359, 0.4913

Protanopia

74.9694, 0.4096, 0.4486

Deuteranopia

74.9790, 0.3714, 0.3753



Tritanopia

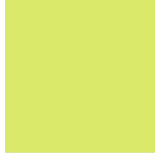
75.2431, 0.2733, 0.3080

Trichromacy



Original Color

75.7543, 0.3359, 0.4913



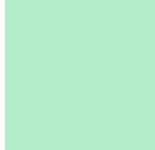
Protanomaly

74.3785, 0.3807, 0.4645



Deuteranomaly

73.9610, 0.3594, 0.4151



Tritanomaly

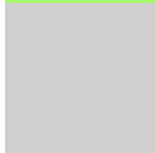
74.3222, 0.2973, 0.3726

Monochromacy



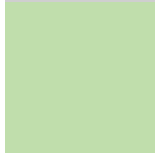
Original Color

75.7543, 0.3359, 0.4913



Achromatopsia

62.3960, 0.3127, 0.3290



Achromatomaly

66.4276, 0.3241, 0.3892

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.7543, 0.3359, 0.4913 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(166, 247, 110)` looks like.

```
.text, #text, p{  
    color:rgb(166, 247, 110)  
}
```

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(166, 247, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 247, 110) }
```

Border

The CSS property to change the border of an element to Yxy 75.7543, 0.3359, 0.4913 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(166, 247, 110) }
```

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

```
.border{ border-color:rgb(166, 247, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 247, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(166, 247, 110); -webkit-box-shadow:4px 4px 4px 4px rgb(166, 247, 110); box-shadow:4px 4px 4px 4px rgb(166, 247, 110) }
```


Background

The CSS property to change the background color of an element to Yxy 75.7543, 0.3359, 0.4913 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 247, 110) }
```

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

```
.background{ background-color: rgb(166,  
247, 110) }
```

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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