

Converting Colors

Yxy(76.1658, 0.3455, 0.5050)

Have a look what the booklet for
Yxy(76.1658, 0.3455, 0.5050)
contains.

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Color

Yxy(75.9876, 0.3458, 0.5046)

Conversions

Conversions Part 1

Format	Color
Hex	ABF75E
RGB	171, 247, 94
RGB Percent	67%, 97%, 37%
CMY	0.3295, 0.0313, 0.6311
CMYK	0.31, 0.00, 0.62, 0.03
HSL	90°, 91%, 67%
HSV	90°, 62%, 97%
XYZ	52.0739, 75.9876, 22.5282
YIQ	206.8340, 3.8170, -63.6950

Conversions

Conversions Part 2

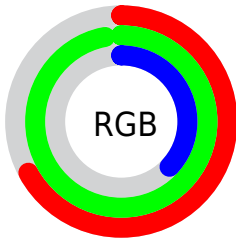
Format	Color
RYB	94, 247, 170
Decimal	11269982
CIELab	89.85, -47.13, 64.22
CIElCh	90, 79.656, 126.278
Yxy	75.9876, 0.3458, 0.5046
Android (android.graphics.Color)	4289460062 (0xFFABF75E)
YUV	206.8340, -55.6272, -31.4264
Hunter-Lab	87.1709, -45.9171, 45.6968

Details

The Yxy color **75.9876, 0.3458, 0.5046** is a light color, and the websafe version is hex **99FF66**. The color can be described as light muted chartreuse. A complement of this color would be **23.2923, 0.2473, 0.1540**, and the grayscale version is **62.6503, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.5450, 0.3572, 0.4377**, and **40.5198, 0.3458, 0.5465** is the 20% darker color. If you saturate the color by 10%, you get **74.3004, 0.3462, 0.5294**, and if you desaturate by 10%, it is **77.9514, 0.3434, 0.4765**.

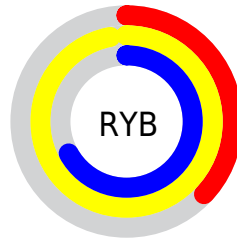
Distribution



Red (67%)

Green (97%)

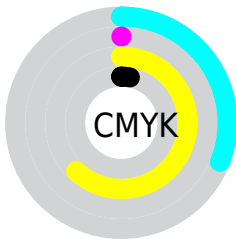
Blue (37%)



Red (37%)

Yellow (97%)

Blue (67%)

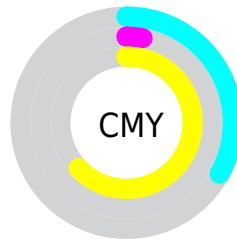


Cyan (31%)

Magenta (0%)

Yellow (62%)

Black (3%)



Cyan (33%)


Magenta (3%)

Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.9876, 0.3458, 0.5046 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 75.9876, 0.3458, 0.5046 by changing the saturation by 10% instead.


 75.9876, 0.3458,
0.5046

 75.9876, 0.3458,
0.5046


481.3053, 0.3364,
0.4205

 56.4223, 0.3461,
0.5236

 127.7094, 0.3440,
0.4754


 40.5416, 0.3453,
0.5467


 160.6347, 0.3428,
0.4640

 27.9611, 0.3425,
0.5749


 198.7821, 0.3417,
0.4542

 18.2963, 0.3360,
0.6096

 242.5361, 0.3405,
0.4456

 11.1630, 0.3247,
0.6568

292.2810, 0.3394,
0.4382

 6.1765, 0.2957,
0.7043


348.4012, 0.3383,

 2.9527, 0.2419,


0.4316


0.7581

411.2812, 0.3373,
0.4257


 1.1071, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 75.9876, 0.3458,
0.5046


 75.9876, 0.3458,
0.5046

 74.3004, 0.3462,
0.5294


 77.9514, 0.3434,
0.4765


 72.8623, 0.3443,
0.5494


 80.1975, 0.3392,
0.4467

 71.6561, 0.3402,
0.5637

 82.7433, 0.3338,
0.4165

 70.8268, 0.3358,
0.5716

 85.6018, 0.3275,
0.3872

 88.7851, 0.3208,
0.3594

 92.3047, 0.3140,
0.3337

 95.0065, 0.3131,
0.3214

Harmonies

Analogous

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



75.9876, 0.4283, 0.4774



75.9876, 0.3458, 0.5046



75.9876, 0.2593, 0.4600

Triad

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



75.9876, 0.3458, 0.5046



75.9876, 0.1609, 0.2106



75.9876, 0.4419, 0.2877

Complementary

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



75.9876, 0.3458, 0.5046



23.2923, 0.2473, 0.1540

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.



75.9876, 0.3488, 0.2352



75.9876, 0.3458, 0.5046



75.9876, 0.1929, 0.1917

Square

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



75.9876, 0.3458, 0.5046



75.9876, 0.1599, 0.2651



75.9876, 0.2570, 0.2014



75.9876, 0.4941, 0.3502

Rectangle

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



75.9876, 0.3458, 0.5046



75.9876, 0.2112, 0.3946



75.9876, 0.2570, 0.2014



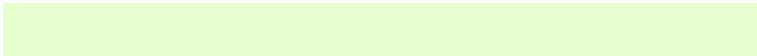
75.9876, 0.4133, 0.2686

Sweetspot

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



75.9909, 0.3458, 0.5046



92.9773, 0.3256, 0.3790



48.5873, 0.4529, 0.4046



19.6988, 0.3275, 0.3871



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.



75.9909, 0.3458, 0.5046



79.5131, 0.3459, 0.5342



69.8566, 0.3044, 0.5292



18.8814, 0.3192, 0.3529



37.5398, 0.3370, 0.5707



3.3605, 0.3464, 0.5632

Inverse Universe

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



23.2923, 0.2473, 0.1540



18.6371, 0.2309, 0.1246



34.0496, 0.3170, 0.1852



16.3313, 0.3057, 0.3051



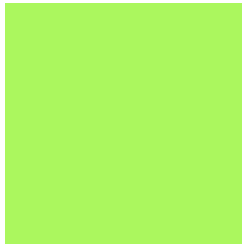
5.8552, 0.2017, 0.0885



0.5757, 0.2152, 0.0959

Previews

White Background



This preview shows how the Yxy color 75.9876, 0.3458, 0.5046 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 75.9876, 0.3458, 0.5046 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

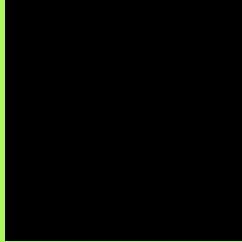
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 75.9876, 0.3458, 0.5046

Background



This preview shows how black text looks on a background with the Yxy color 75.9876, 0.3458, 0.5046.

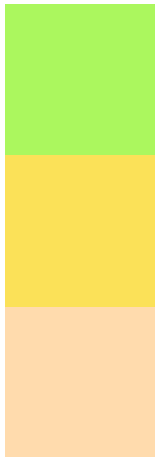


This preview shows how white text looks on a background with the Yxy color 75.9876, 0.3458, 0.5046.

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

75.9876, 0.3458, 0.5046

Protanopia

75.0642, 0.4184, 0.4587

Deuteranopia

74.9402, 0.3722, 0.3763



Tritanopia

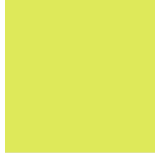
75.3914, 0.2772, 0.3082

Trichromacy



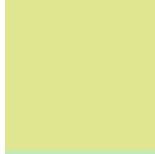
Original Color

75.9876, 0.3458, 0.5046



Protanomaly

74.5456, 0.3905, 0.4763



Deuteranomaly

73.8995, 0.3646, 0.4223



Tritanomaly

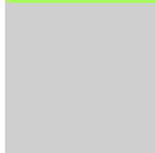
74.7329, 0.3051, 0.3806

Monochromacy



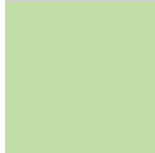
Original Color

75.9876, 0.3458, 0.5046



Achromatopsia

62.3960, 0.3127, 0.3290



Achromatomaly

66.4651, 0.3295, 0.3963

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.9876, 0.3458, 0.5046 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(171, 247, 94)` looks like.

```
.text, #text, p{  
    color:rgb(171, 247, 94)  
}
```

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(171, 247, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 247, 94) }
```

Border

The CSS property to change the border of an element to Yxy 75.9876, 0.3458, 0.5046 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(171, 247, 94) }
```

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

```
.border{ border-color:rgb(171, 247, 94) }
```

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

Here you see how a box with a 4 pixel rgb(171, 247, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 247, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 247, 94);  
box-shadow:4px 4px 4px 4px rgb(171, 247,  
94) }
```


Background

The CSS property to change the background color of an element to Yxy 75.9876, 0.3458, 0.5046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 247, 94) }
```

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

```
.background{ background-color: rgb(171,  
247, 94) }
```

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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