

# Converting Colors

Yxy(76.3676, 0.3234, 0.5109)

Have a look what the booklet for  
Yxy(76.3676, 0.3234, 0.5109)  
contains.

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# Color

**Yxy(76.3309, 0.3236, 0.5107)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8EFC66
RGB	142, 252, 102
RGB Percent	56%, 99%, 40%
CMY	0.4431, 0.0118, 0.5998
CMYK	0.44, 0.00, 0.60, 0.01
HSL	104°, 96%, 69%
HSV	104°, 60%, 99%
XYZ	48.3663, 76.3309, 24.7661
YIQ	202.0100, -17.4100, -69.9700

# Conversions

## Conversions Part 2

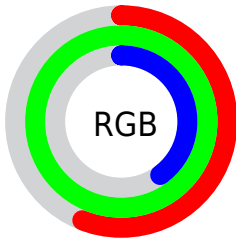
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">102, 252, 212</a>
Decimal	<a href="#">9370726</a>
CIELab	<a href="#">90.01, -57.77, 60.70</a>
CIELCh	<a href="#">90, 83.793, 133.585</a>
Yxy	<a href="#">76.3309, 0.3236, 0.5107</a>
Android (android.graphics.Color)	<a href="#">4287560806 (0xFF8EFC66)</a>
YUV	<a href="#">202.0100, -49.3049, -52.6288</a>
Hunter-Lab	<a href="#">87.3676, -54.0764, 44.3504</a>

# Details

The Yxy color **76.3309, 0.3236, 0.5107** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **30.5449, 0.2821, 0.1741**, and the grayscale version is **59.3961, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.3718, 0.3340, 0.4375**, and **40.9690, 0.3181, 0.5573** is the 20% darker color. If you saturate the color by 10%, you get **74.4057, 0.3221, 0.5399**, and if you desaturate by 10%, it is **78.6857, 0.3238, 0.4784**.

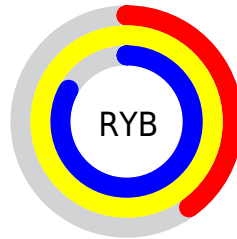
# Distribution



Red (56%)

Green (99%)

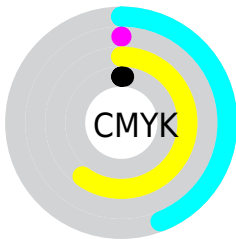
Blue (40%)



Red (40%)

Yellow (99%)

Blue (83%)

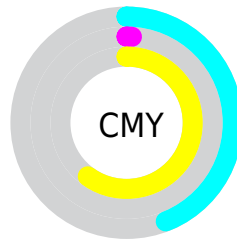


Cyan (44%)

Magenta (0%)

Yellow (60%)

Black (1%)



Cyan (44%)

Magenta (1%)


Yellow (60%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.3309, 0.3236, 0.5107 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 76.3309, 0.3236, 0.5107 by changing the saturation by 10% instead.





 76.3309, 0.3236,  
0.5107

 76.3309, 0.3236,  
0.5107


482.4797, 0.3243,  
0.4220

 56.7039, 0.3217,  
0.5313


 128.1945, 0.3252,  
0.4794


 40.7675, 0.3183,  
0.5567


 161.2000, 0.3254,  
0.4674

 28.1375, 0.3125,  
0.5884


 199.4336, 0.3254,  
0.4571

 18.4293, 0.3023,  
0.6282

 243.2800, 0.3253,  
0.4481

 11.2587, 0.2847,  
0.6803

293.1233, 0.3251,  
0.4403

 6.2411, 0.2528,  
0.7472


349.3481, 0.3249,

 2.9922, 0.1886,


0.4335


0.8114

412.3388, 0.3246,  
0.4274


 1.1277, 0.0000,  
1.0000

 0.0014, 0.0000,  
1.0000


 76.3309, 0.3236,  
0.5107


 76.3309, 0.3236,  
0.5107


 74.4057, 0.3221,  
0.5399

 78.6857, 0.3238,  
0.4784


 72.8727, 0.3192,  
0.5639


 81.4853, 0.3228,  
0.4450


 71.7038, 0.3152,  
0.5811

 84.7557, 0.3209,  
0.4124


 70.8566, 0.3105,  
0.5914

 88.5182, 0.3184,  
0.3816

 70.8212, 0.3103,  
0.5918

 92.7926, 0.3156,  
0.3533

 97.5978, 0.3126,  
0.3278

 98.1027, 0.3128,  
0.3262

# Harmonies

## Analogous

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



76.3309, 0.4126, 0.4954



76.3309, 0.3236, 0.5107



76.3309, 0.2364, 0.4444

# Triad

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



76.3309, 0.3236, 0.5107



76.3309, 0.1601, 0.1976



76.3309, 0.4671, 0.3005

# Complementary

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



76.3309, 0.3236, 0.5107



30.5449, 0.2821, 0.1741

# 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.



76.3309, 0.3756, 0.2430



76.3309, 0.3236, 0.5107



76.3309, 0.2009, 0.1863

# Square

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



76.3309, 0.3236, 0.5107



76.3309, 0.1511, 0.2438



76.3309, 0.2754, 0.2028



76.3309, 0.5061, 0.3663



# Rectangle

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



76.3309, 0.3236, 0.5107



76.3309, 0.1917, 0.3699



76.3309, 0.2754, 0.2028



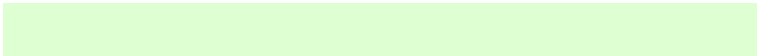
76.3309, 0.4406, 0.2800

# Sweetspot

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



76.3342, 0.3236, 0.5107



91.5524, 0.3180, 0.3772



68.7509, 0.4204, 0.4373



19.3388, 0.3188, 0.3858



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.



76.3342, 0.3236, 0.5107



76.1653, 0.3217, 0.5440



74.2576, 0.2896, 0.4799



19.5328, 0.3156, 0.3532



36.9515, 0.3113, 0.5910



3.4718, 0.3196, 0.5844



# Inverse Universe

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



30.5449, 0.2821, 0.1741



25.3415, 0.2738, 0.1503



35.2188, 0.3543, 0.2173



17.2783, 0.3095, 0.3053



9.1003, 0.2543, 0.1174

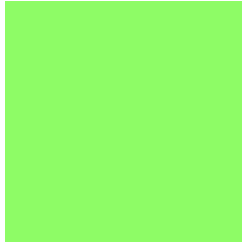


0.8945, 0.2625, 0.1220



# Previews

## White Background



This preview shows how the Yxy color 76.3309, 0.3236, 0.5107 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 76.3309, 0.3236, 0.5107 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

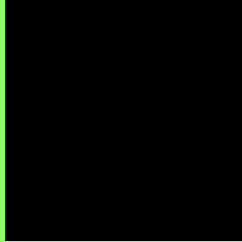
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

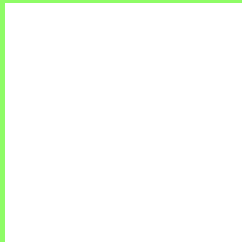
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 76.3309, 0.3236, 0.5107**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.3309, 0.3236, 0.5107.



This preview shows how white text looks on a background with the Yxy color 76.3309, 0.3236, 0.5107.

# 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

76.3309, 0.3236, 0.5107

### Protanopia

74.9826, 0.4148, 0.4550

### Deuteranopia

74.9790, 0.3714, 0.3753



## Tritanopia

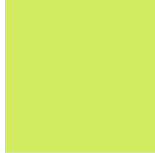
75.7570, 0.2625, 0.3077

# Trichromacy



## Original Color

76.3309, 0.3236, 0.5107



## Protanomaly

74.1286, 0.3780, 0.4771



## Deuteranomaly

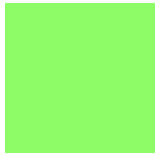
73.5861, 0.3539, 0.4224



## Tritanomaly

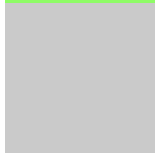
75.1014, 0.2868, 0.3808

# Monochromacy



## Original Color

76.3309, 0.3236, 0.5107



## Achromatopsia

59.0619, 0.3127, 0.3290



## Achromatomaly

63.6429, 0.3194, 0.3963

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.3309, 0.3236, 0.5107 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(142, 252, 102)` looks like.

```
.text, #text, p{  
    color:rgb(142, 252, 102)  
}
```

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(142, 252, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 252, 102) }
```

## Border

The CSS property to change the border of an element to Yxy 76.3309, 0.3236, 0.5107 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(142, 252, 102) }
```

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

```
.border{ border-color:rgb(142, 252, 102) }
```

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

Here you see how a box with a 4 pixel rgb(142, 252, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 252, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 252, 102);  
box-shadow:4px 4px 4px 4px rgb(142, 252,  
102) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.3309, 0.3236, 0.5107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 252, 102) }
```

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

```
.background{ background-color: rgb(142,  
252, 102) }
```

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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