

# Converting Colors

$Y_{xy}(71.6554, 0.3075, 0.4519)$

Have a look what the booklet for  
Yxy(71.6554, 0.3075, 0.4519)  
contains.

<b>Yxy(71.6596, 0.3075, 0.4523)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(71.6596, 0.3075, 0.4523)**

# Conversions

## Conversions Part 1

Format	Color
Hex	92F291
RGB	146, 242, 145
RGB Percent	57%, 95%, 57%
CMY	0.4274, 0.0510, 0.4313
CMYK	0.40, 0.00, 0.40, 0.05
HSL	119°, 79%, 76%
HSV	119°, 40%, 95%
XYZ	48.7184, 71.6596, 38.0558
YIQ	202.2380, -26.0790, -50.5190

# Conversions

## Conversions Part 2

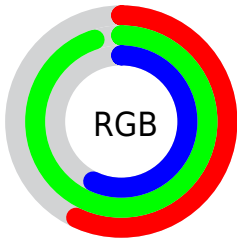
<b>Format</b>	<b>Color</b>
<b>RYB</b>	145, 242, 241
Decimal	9630353
CIELab	87.80, -47.28, 38.09
CIELCh	88, 60.720, 141.145
Yxy	71.6596, 0.3075, 0.4523
Android (android.graphics.Color)	4287820433 (0xFF92F291)
YUV	202.2380, -28.2183, -49.3207
Hunter-Lab	84.6520, -45.4118, 32.6022

# Details

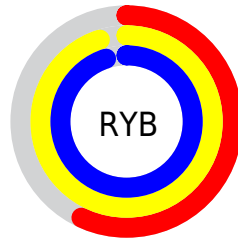
The Yxy color **71.6596, 0.3075, 0.4523** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **45.3678, 0.3165, 0.2300**, and the grayscale version is **59.4138, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.3866, 0.3117, 0.3891**, and **37.6121, 0.3028, 0.4857** is the 20% darker color. If you saturate the color by 10%, you get **69.0237, 0.3059, 0.4884**, and if you desaturate by 10%, it is **74.9203, 0.3090, 0.4172**.

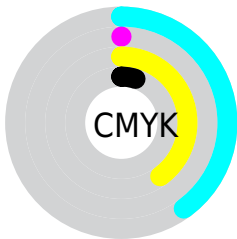
# Distribution



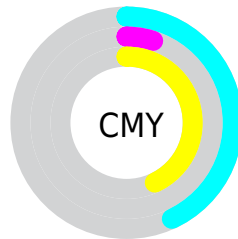
- Red (57%)
- Green (95%)
- Blue (57%)



- Red (57%)
- Yellow (95%)
- Blue (95%)



- Cyan (40%)
- Magenta (0%)
- Yellow (40%)
- Black (5%)




- Cyan (43%)
- Magenta (5%)
- Yellow (43%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.6596, 0.3075, 0.4523 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 71.6596, 0.3075, 0.4523 by changing the saturation by 10% instead.




 71.6596, 0.3075,  
0.4523


 71.6596, 0.3075,  
0.4523


466.3559, 0.3123,  
0.3913

 52.8807, 0.3057,  
0.4671


 121.5724, 0.3097,  
0.4304

 37.7075, 0.3031,  
0.4857


 153.4751, 0.3104,  
0.4221

 25.7558, 0.2991,  
0.5099


190.5212, 0.3109,  
0.4151

 16.6410, 0.2927,  
0.5423

233.0950, 0.3113,  
0.4090

 9.9789, 0.2817,  
0.5874

281.5810, 0.3117,  
0.4037

 5.3850, 0.2619,  
0.6544


336.3636, 0.3119,

 2.4749, 0.2252,

0.3991


0.7748


397.8271, 0.3121,  
0.3950


 0.8640, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000


 71.6596, 0.3075,  
0.4523


 71.6596, 0.3075,  
0.4523


 69.0237, 0.3059,  
0.4884


 74.9203, 0.3090,  
0.4172

 66.9645, 0.3042,  
0.5232

 78.8326, 0.3104,  
0.3845

 65.4414, 0.3027,  
0.5538

 83.4324, 0.3117,  
0.3551

 64.4046, 0.3015,  
0.5776

 88.7505, 0.3127,  
0.3292

■ 63.7951, 0.3006,  
0.5928

■ 91.9863, 0.3133,  
0.3165

■ 63.5223, 0.3002,  
0.5999

# Harmonies

## Analogous

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



71.6596, 0.3776, 0.4618



71.6596, 0.3075, 0.4523



71.6596, 0.2426, 0.3931

# Triad

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



71.6596, 0.3075, 0.4523



71.6596, 0.1990, 0.2230



71.6596, 0.4391, 0.3231

# Complementary

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



71.6596, 0.3075, 0.4523



45.3678, 0.3165, 0.2300

# 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.



71.6596, 0.3793, 0.2736



71.6596, 0.3075, 0.4523



71.6596, 0.2395, 0.2183

# Square

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



71.6596, 0.3075, 0.4523



71.6596, 0.1853, 0.2546



71.6596, 0.3039, 0.2366



71.6596, 0.4586, 0.3776



# Rectangle

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



71.6596, 0.3075, 0.4523



71.6596, 0.2108, 0.3405



71.6596, 0.3039, 0.2366



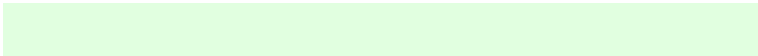
71.6596, 0.4227, 0.3057

# Sweetspot

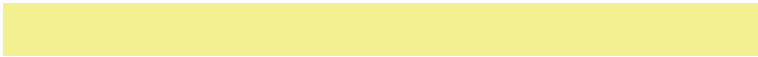
The Sweet Spot groups the original color and five complimentary colors.



71.6626, 0.3075, 0.4523



92.8851, 0.3114, 0.3605



83.4708, 0.3734, 0.4269



19.7307, 0.3113, 0.3643



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.



71.6626, 0.3075, 0.4523



78.2589, 0.3062, 0.4814



73.3281, 0.2824, 0.3912



17.6641, 0.3117, 0.3534



34.1272, 0.3002, 0.5998



2.8418, 0.3008, 0.5994



# Inverse Universe

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



45.3678, 0.3165, 0.2300



44.9084, 0.3171, 0.2120



43.0781, 0.3612, 0.2749



16.0227, 0.3136, 0.3057



13.3546, 0.3184, 0.1528

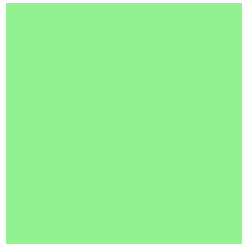


1.1136, 0.3187, 0.1529



# Previews

## White Background



This preview shows how the Yxy color 71.6596, 0.3075, 0.4523 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 71.6596, 0.3075, 0.4523 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 71.6596, 0.3075, 0.4523**

## **Background**



This preview shows how black text looks on a background with the Yxy color 71.6596, 0.3075, 0.4523.

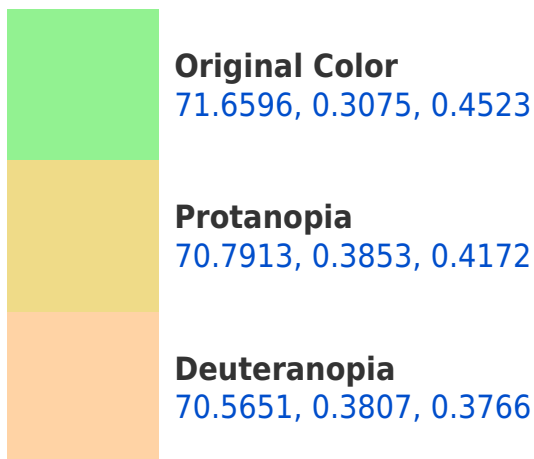


This preview shows how white text looks on a background with the Yxy color 71.6596, 0.3075, 0.4523.

# 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





## Tritanopia

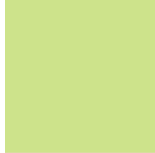
71.4779, 0.2630, 0.3083

# Trichromacy



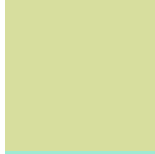
## Original Color

71.6596, 0.3075, 0.4523



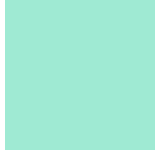
## Protanomaly

69.7814, 0.3538, 0.4308



## Deuteranomaly

69.1582, 0.3507, 0.4021



## Tritanomaly

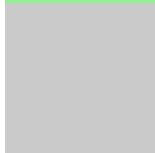
70.9197, 0.2791, 0.3568

# Monochromacy



## Original Color

71.6596, 0.3075, 0.4523



## Achromatopsia

59.0619, 0.3127, 0.3290



## Achromatomaly

62.9070, 0.3113, 0.3735

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.6596, 0.3075, 0.4523 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(146, 242, 145)` looks like.

```
.text, #text, p{  
    color:rgb(146, 242, 145)  
}
```

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(146, 242, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 242, 145) }
```

## Border

The CSS property to change the border of an element to Yxy 71.6596, 0.3075, 0.4523 is called "border". The border property can be set on classes, ids or directly on the HTML element.

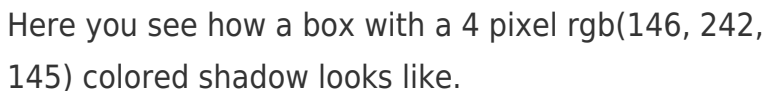
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(146, 242, 145) }
```

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

```
.border{ border-color:rgb(146, 242, 145) }
```

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



Here you see how a box with a 4 pixel `rgb(146, 242, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(146, 242, 145); -webkit-box-shadow:4px 4px 4px 4px rgb(146, 242, 145); box-shadow:4px 4px 4px 4px rgb(146, 242, 145) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.6596, 0.3075, 0.4523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 242, 145) }
```

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

```
.background{ background-color: rgb(146,  
242, 145) }
```

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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