

# Converting Colors

Yxy(66.5131, 0.2917, 0.4529)

Have a look what the booklet for  
Yxy(66.5131, 0.2917, 0.4529)  
contains.

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# Color

**Yxy(66.3946, 0.2917, 0.4533)**

# Conversions

## Conversions Part 1

Format	Color
Hex	75ED91
RGB	117, 237, 145
RGB Percent	46%, 93%, 57%
CMY	0.5414, 0.0705, 0.4314
CMYK	0.51, 0.00, 0.39, 0.07
HSL	134°, 77%, 69%
HSV	134°, 51%, 93%
XYZ	42.7251, 66.3946, 37.3497
YIQ	190.6320, -41.9880, -54.0520

# Conversions

## Conversions Part 2

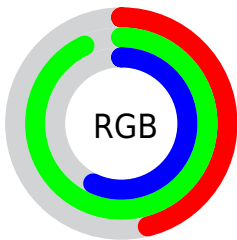
<b>Format</b>	<b>Color</b>
<b>RYB</b>	117, 214, 237
Decimal	7728529
CIELab	85.20, -53.18, 34.47
CIELCh	85, 63.375, 147.045
Yxy	66.3946, 0.2917, 0.4533
Android (android.graphics.Color)	4285918609 (0xFF75ED91)
YUV	190.6320, -22.4966, -64.5753
Hunter-Lab	81.4829, -48.9995, 29.8610

# Details

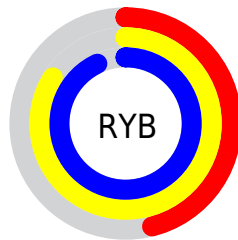
The Yxy color **66.3946, 0.2917, 0.4533** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **35.3175, 0.3463, 0.2317**, and the grayscale version is **52.0202, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.9202, 0.2958, 0.3919**, and **34.2171, 0.2833, 0.4892** is the 20% darker color. If you saturate the color by 10%, you get **64.4429, 0.2895, 0.4827**, and if you desaturate by 10%, it is **68.8568, 0.2949, 0.4245**.

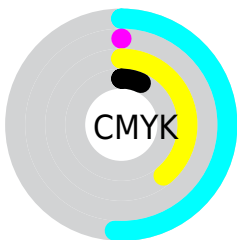
# Distribution



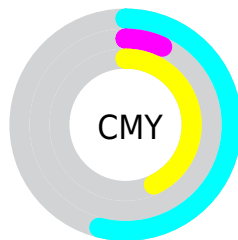
- Red (46%)
- Green (93%)
- Blue (57%)



- Red (46%)
- Yellow (84%)
- Blue (93%)



- Cyan (51%)
- Magenta (0%)
- Yellow (39%)
- Black (7%)




- Cyan (54%)
- Magenta (7%)
- Yellow (43%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.3946, 0.2917, 0.4533 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 66.3946, 0.2917, 0.4533 by changing the saturation by 10% instead.





 66.3946, 0.2917,  
0.4533

 66.3946, 0.2917,  
0.4533


447.7868, 0.3040,  
0.3907

 48.5928, 0.2882,  
0.4689


 114.0525, 0.2965,  
0.4305

 34.2966, 0.2833,  
0.4888

 144.6774, 0.2982,  
0.4220

 23.1215, 0.2765,  
0.5149


 180.3454, 0.2996,  
0.4147

 14.6833, 0.2664,  
0.5507

221.4410, 0.3008,  
0.4085

 8.5974, 0.2501,  
0.6016

268.3486, 0.3018,  
0.4032

 4.4795, 0.2228,  
0.6818


321.4524, 0.3026,

 1.9453, 0.1340,


0.3985


0.8660


381.1371, 0.3033,  
0.3943


 0.5754, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000

 66.3946, 0.2917,  
0.4533


 66.3946, 0.2917,  
0.4533


 64.4429, 0.2895,  
0.4827


 68.8568, 0.2949,  
0.4245


 62.9572, 0.2885,  
0.5113


 71.8540, 0.2989,  
0.3974


 61.8990, 0.2890,  
0.5375

 75.4187, 0.3033,  
0.3725

 61.2196, 0.2908,  
0.5598

 79.5785, 0.3078,  
0.3501

 60.8545, 0.2934,  
0.5762

 84.3593, 0.3124,  
0.3302

 88.9894, 0.3142,  
0.3127

 89.0550, 0.3135,  
0.3117

# Harmonies

## Analogous

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



66.3946, 0.3667, 0.4736



66.3946, 0.2917, 0.4533



66.3946, 0.2264, 0.3813

# Triad

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



66.3946, 0.2917, 0.4533



66.3946, 0.1984, 0.2135



66.3946, 0.4560, 0.3330

# Complementary

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



66.3946, 0.2917, 0.4533



35.3175, 0.3463, 0.2317

# 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.



66.3946, 0.3988, 0.2795



66.3946, 0.2917, 0.4533



66.3946, 0.2463, 0.2139

# Square

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



66.3946, 0.2917, 0.4533



66.3946, 0.1784, 0.2403



66.3946, 0.3186, 0.2374



66.3946, 0.4665, 0.3906



# Rectangle

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



66.3946, 0.2917, 0.4533



66.3946, 0.1969, 0.3245



66.3946, 0.3186, 0.2374



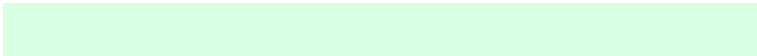
66.3946, 0.4414, 0.3144

# Sweetspot

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



66.3973, 0.2917, 0.4533



91.7072, 0.3058, 0.3596



75.4128, 0.3659, 0.4615



19.4082, 0.3048, 0.3644



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.



66.3973, 0.2917, 0.4533



75.9698, 0.2894, 0.4844



68.7605, 0.2617, 0.3700



16.9198, 0.3084, 0.3476



33.2374, 0.2927, 0.5737



2.6245, 0.2855, 0.5478



# Inverse Universe

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



35.3175, 0.3463, 0.2317



35.3656, 0.3558, 0.2152



32.8849, 0.4174, 0.2939



15.2501, 0.3174, 0.3111



11.6865, 0.3904, 0.1924

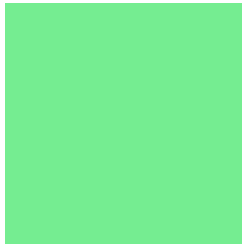


0.9322, 0.3788, 0.1860



# Previews

## White Background



This preview shows how the Yxy color 66.3946, 0.2917, 0.4533 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

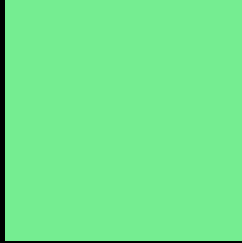
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 66.3946, 0.2917, 0.4533 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 66.3946, 0.2917, 0.4533**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.3946, 0.2917, 0.4533.

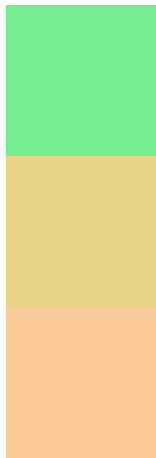


This preview shows how white text looks on a background with the Yxy color 66.3946, 0.2917, 0.4533.

# 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

66.3946, 0.2917, 0.4533

### Protanopia

65.1608, 0.3822, 0.4130

### Deuteranopia

65.0502, 0.3901, 0.3807



## Tritanopia

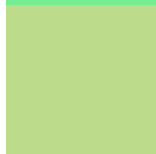
65.9842, 0.2519, 0.3073

# Trichromacy



## Original Color

66.3946, 0.2917, 0.4533



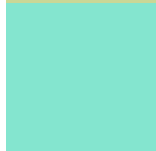
## Protanomaly

63.8693, 0.3435, 0.4282



## Deuteranomaly

63.3594, 0.3478, 0.4068



## Tritanomaly

65.4492, 0.2662, 0.3570

# Monochromacy



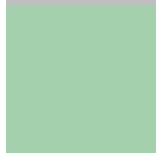
## Original Color

66.3946, 0.2917, 0.4533



## Achromatopsia

52.0996, 0.3127, 0.3290



## Achromatomaly

56.0603, 0.3033, 0.3737

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.3946, 0.2917, 0.4533 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(117, 237, 145)` looks like.

```
.text, #text, p{  
    color:rgb(117, 237, 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(117, 237, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 237, 145) }
```

## Border

The CSS property to change the border of an element to Yxy 66.3946, 0.2917, 0.4533 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(117, 237, 145) }
```

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

```
.border{ border-color:rgb(117, 237, 145) }
```

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

Here you see how a box with a 4 pixel rgb(117, 237, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 237, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 237, 145);  
box-shadow:4px 4px 4px 4px rgb(117, 237,  
145) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.3946, 0.2917, 0.4533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 237, 145) }
```

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

```
.background{ background-color: rgb(117,  
237, 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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