

# Converting Colors

$Yxy(66.4560, 0.2786, 0.4784)$

Have a look what the booklet for  
Yxy(66.4560, 0.2786, 0.4784)  
contains.

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# Color

**Yxy(66.6312, 0.2788, 0.4788)**

# Conversions

## Conversions Part 1

Format	Color
Hex	48F287
RGB	72, 242, 135
RGB Percent	28%, 95%, 53%
CMY	0.7175, 0.0510, 0.4706
CMYK	0.70, 0.00, 0.44, 0.05
HSL	142°, 87%, 62%
HSV	142°, 70%, 95%
XYZ	38.7986, 66.6312, 33.7331
YIQ	178.9720, -66.9730, -69.3170

# Conversions

## Conversions Part 2

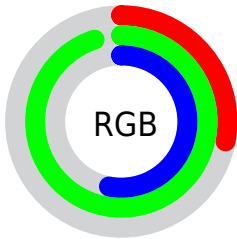
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	72, 196, 242
Decimal	4780679
CIE <sub>Lab</sub>	85.32, -65.81, 39.35
CIE <sub>LCh</sub>	85, 76.678, 149.120
Yxy	66.6312, 0.2788, 0.4788
Android (android.graphics.Color)	4282970759 (0xFF48F287)
YUV	178.9720, -21.6782, -93.8144
Hunter-Lab	81.6279, -58.0060, 32.6377

# Details

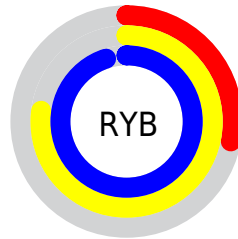
The Yxy color **66.6312, 0.2788, 0.4788** is a light color, and the websafe version is hex **66FF99**. The color can be described as light washed spring green. A complement of this color would be **26.7730, 0.3949, 0.2246**, and the grayscale version is **45.2132, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.7696, 0.2826, 0.4093**, and **34.9055, 0.2769, 0.5168** is the 20% darker color. If you saturate the color by 10%, you get **65.4804, 0.2790, 0.5028**, and if you desaturate by 10%, it is **68.2147, 0.2804, 0.4541**.

# Distribution



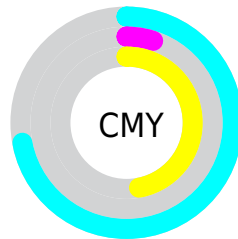
- Red (28%)
- Green (95%)
- Blue (53%)



- Red (28%)
- Yellow (77%)
- Blue (95%)



- Cyan (70%)
- Magenta (0%)
- Yellow (44%)
- Black (5%)




- Cyan (72%)
- Magenta (5%)
- Yellow (47%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.6312, 0.2788, 0.4788 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 66.6312, 0.2788, 0.4788 by changing the saturation by 10% instead.





 66.6312, 0.2788,  
0.4788

 66.6312, 0.2788,  
0.4788


448.6309, 0.2981,  
0.4025

 48.7850, 0.2734,  
0.4979


 114.3918, 0.2863,  
0.4510

 34.4489, 0.2660,  
0.5223


 145.0750, 0.2890,  
0.4405

 23.2387, 0.2558,  
0.5544


 180.8059, 0.2912,  
0.4317

 14.7699, 0.2408,  
0.5981

 221.9690, 0.2930,  
0.4242

 8.6580, 0.2174,  
0.6597

268.9486, 0.2946,  
0.4177

 4.5188, 0.1826,  
0.7665


322.1292, 0.2959,

 1.9678, 0.0027,

0.4120

0.9973


381.8952, 0.2971,  
0.4070


 0.5887, 0.0000,  
1.0000

 0.0000, 0.0000,  
0.0000


 66.6312, 0.2788,  
0.4788


 66.6312, 0.2788,  
0.4788


 65.4804, 0.2790,  
0.5028


 68.2147, 0.2804,  
0.4541


 64.7057, 0.2811,  
0.5250


 70.2635, 0.2836,  
0.4295

 64.2381, 0.2845,  
0.5442

 72.8162, 0.2881,  
0.4059

 75.9051, 0.2935,  
0.3839

 79.5595, 0.2996,  
0.3637

 83.8069, 0.3060,  
0.3455

 88.6726, 0.3126,  
0.3294

 91.9860, 0.3133,  
0.3165

# Harmonies

## Analogous

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



66.6312, 0.3668, 0.5045



66.6312, 0.2788, 0.4788



66.6312, 0.2049, 0.3847

# Triad

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



66.6312, 0.2788, 0.4788



66.6312, 0.1818, 0.1928



66.6312, 0.4881, 0.3347

# Complementary

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



66.6312, 0.2788, 0.4788



26.7730, 0.3949, 0.2246

# 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.



66.6312, 0.4224, 0.2736



66.6312, 0.2788, 0.4788



66.6312, 0.2384, 0.1961

# Square

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



66.6312, 0.2788, 0.4788



66.6312, 0.1571, 0.2194



66.6312, 0.3253, 0.2247



66.6312, 0.4935, 0.4008



# Rectangle

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



66.6312, 0.2788, 0.4788



66.6312, 0.1734, 0.3144



66.6312, 0.3253, 0.2247



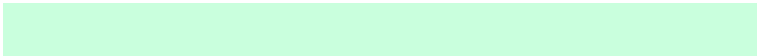
66.6312, 0.4722, 0.3135

# Sweetspot

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



66.6339, 0.2788, 0.4788



89.2356, 0.2991, 0.3653



73.6392, 0.3615, 0.5152



18.8454, 0.2974, 0.3707



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.



66.6339, 0.2788, 0.4788



73.3468, 0.2796, 0.5119



70.0173, 0.2417, 0.3580



17.7532, 0.3065, 0.3442



34.5325, 0.2837, 0.5411



2.8914, 0.2763, 0.5146



# Inverse Universe

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



26.7730, 0.3949, 0.2246



25.9532, 0.4185, 0.2180



24.3372, 0.5214, 0.3096



15.9263, 0.3195, 0.3142



11.3925, 0.4420, 0.2208

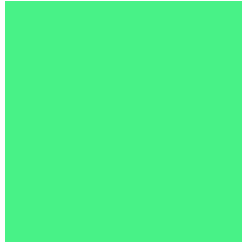


0.9669, 0.4218, 0.2097



# Previews

## White Background



This preview shows how the Yxy color 66.6312, 0.2788, 0.4788 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 66.6312, 0.2788, 0.4788 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

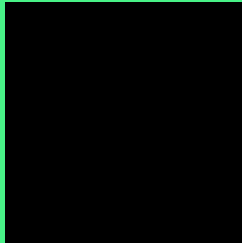
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 66.6312, 0.2788, 0.4788**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.6312, 0.2788, 0.4788.

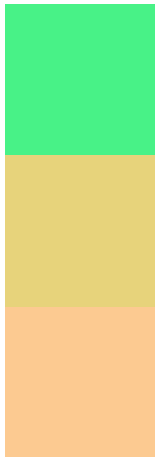


This preview shows how white text looks on a background with the Yxy color 66.6312, 0.2788, 0.4788.

# 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**

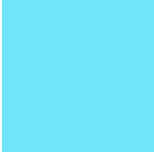
66.6312, 0.2788, 0.4788

**Protanopia**

65.0075, 0.3911, 0.4250

**Deuteranopia**

64.9808, 0.3970, 0.3887



## Tritanopia

66.2607, 0.2382, 0.3057

# Trichromacy



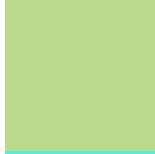
**Original Color**

66.6312, 0.2788, 0.4788



**Protanomaly**

62.6591, 0.3382, 0.4491



**Deuteranomaly**

62.1136, 0.3414, 0.4232



**Tritanomaly**

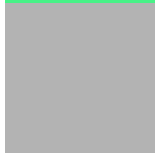
65.8920, 0.2522, 0.3643

# Monochromacy



**Original Color**

66.6312, 0.2788, 0.4788



**Achromatopsia**

45.0786, 0.3127, 0.3290



**Achromatomaly**

50.4609, 0.2934, 0.3841

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.6312, 0.2788, 0.4788 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(72, 242, 135)` looks like.

```
.text, #text, p{  
    color:rgb(72, 242, 135)  
}
```

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(72, 242, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 242, 135) }
```

## Border

The CSS property to change the border of an element to Yxy 66.6312, 0.2788, 0.4788 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(72, 242, 135) }
```

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

```
.border{ border-color:rgb(72, 242, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 242, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 242, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 242, 135);  
box-shadow:4px 4px 4px 4px rgb(72, 242,  
135) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.6312, 0.2788, 0.4788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 242, 135) }
```

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

```
.background{ background-color: rgb(72, 242,  
135) }
```

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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