

# Converting Colors

$Yxy(66.0070, 0.2526, 0.3561)$

Have a look what the booklet for  
Yxy(66.0070, 0.2526, 0.3561)  
contains.

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# Color

**Yxy(66.0346, 0.2526, 0.3561)**

# Conversions

## Conversions Part 1

Format	Color
Hex	69E9D4
RGB	105, 233, 212
RGB Percent	41%, 91%, 83%
CMY	0.5885, 0.0862, 0.1686
CMYK	0.55, 0.00, 0.09, 0.09
HSL	170°, 74%, 66%
HSV	170°, 55%, 91%
XYZ	46.8417, 66.0346, 72.5620
YIQ	192.3340, -69.5470, -33.6670

# Conversions

## Conversions Part 2

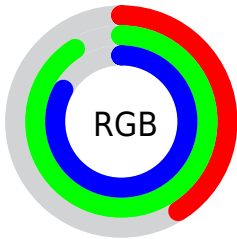
<b>Format</b>	<b>Color</b>
<b>RYB</b>	105, 175, 233
Decimal	6941140
CIELab	85.01, -40.46, -0.53
CIELCh	85, 40.466, 180.754
Yxy	66.0346, 0.2526, 0.3561
Android (android.graphics.Color)	4285131220 (0xFF69E9D4)
YUV	192.3340, 9.6953, -76.5919
Hunter-Lab	81.2617, -39.3150, 3.9406

# Details

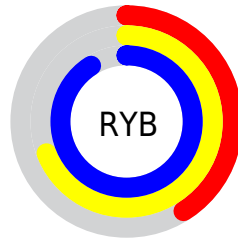
The Yxy color **66.0346, 0.2526, 0.3561** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **28.9203, 0.4493, 0.3063**, and the grayscale version is **52.8817, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.7393, 0.2628, 0.3289**, and **34.2200, 0.2380, 0.3622** is the 20% darker color. If you saturate the color by 10%, you get **64.6247, 0.2464, 0.3619**, and if you desaturate by 10%, it is **67.8406, 0.2606, 0.3505**.

# Distribution



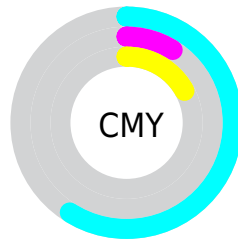
- Red (41%)
- Green (91%)
- Blue (83%)



- Red (41%)
- Yellow (69%)
- Blue (91%)



- Cyan (55%)
- Magenta (0%)
- Yellow (9%)
- Black (9%)




- Cyan (59%)
- Magenta (9%)
- Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.0346, 0.2526, 0.3561 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 66.0346, 0.2526, 0.3561 by changing the saturation by 10% instead.





 66.0346, 0.2526,  
0.3561


 66.0346, 0.2526,  
0.3561


446.5006, 0.2807,  
0.3435

 48.3005, 0.2461,  
0.3590


 113.5360, 0.2624,  
0.3517

 34.0649, 0.2382,  
0.3626


 144.0721, 0.2662,  
0.3500

 22.9435, 0.2280,  
0.3671


 179.6442, 0.2694,  
0.3486

 14.5518, 0.2148,  
0.3730

220.6369, 0.2723,  
0.3473

 8.5054, 0.1967,  
0.3809

267.4345, 0.2748,  
0.3462

 4.4200, 0.1709,  
0.3922

320.4214, 0.2770,

 1.9112, 0.1274,

0.3452

0.4113

379.9820, 0.2789,  
0.3443

0.5551, 0.0000,  
0.4638

0.0000, 0.0000,  
0.0000

66.0346, 0.2526,  
0.3561

66.0346, 0.2526,  
0.3561

64.6247, 0.2464,  
0.3619

67.8406, 0.2606,  
0.3505

63.5706, 0.2421,  
0.3678


70.0638, 0.2703,  
0.3451

62.8373, 0.2398,  
0.3737

72.7327, 0.2813,  
0.3400


62.3785, 0.2394,  
0.3796

75.8713, 0.2933,  
0.3353


 62.2148, 0.2396,  
0.3825

 79.5018, 0.3062,  
0.3310

 83.6450, 0.3195,  
0.3271

 85.7623, 0.3240,  
0.3234

 85.9904, 0.3216,  
0.3197

 86.2233, 0.3191,  
0.3160

# Harmonies

## Analogous

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



66.0346, 0.2955, 0.4006



66.0346, 0.2526, 0.3561



66.0346, 0.2268, 0.3063

# Triad

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



66.0346, 0.2526, 0.3561



66.0346, 0.2750, 0.2517



66.0346, 0.4117, 0.3791

# Complementary

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



66.0346, 0.2526, 0.3561



28.9203, 0.4493, 0.3063

# 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.



66.0346, 0.4068, 0.3399



66.0346, 0.2526, 0.3561



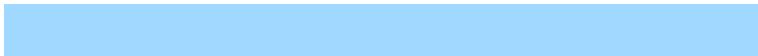
66.0346, 0.3242, 0.2700

# Square

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



66.0346, 0.2526, 0.3561



66.0346, 0.2390, 0.2505



66.0346, 0.3738, 0.3012



66.0346, 0.3882, 0.4099



# Rectangle

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



66.0346, 0.2526, 0.3561



66.0346, 0.2213, 0.2792



66.0346, 0.3738, 0.3012



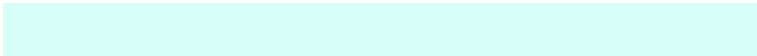
66.0346, 0.4135, 0.3665

# Sweetspot

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



66.0372, 0.2526, 0.3561



92.6426, 0.2919, 0.3358



63.7601, 0.3160, 0.4996



19.6513, 0.2894, 0.3368



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.



66.0372, 0.2526, 0.3561



79.0993, 0.2457, 0.3627



45.8485, 0.2312, 0.2717



17.0770, 0.3003, 0.3329



35.3137, 0.2393, 0.3816



2.7843, 0.2371, 0.3735



# Inverse Universe

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



28.9203, 0.4493, 0.3063



29.2500, 0.4963, 0.3044



39.4070, 0.4464, 0.3768



15.0944, 0.3267, 0.3252



9.9220, 0.6160, 0.3167

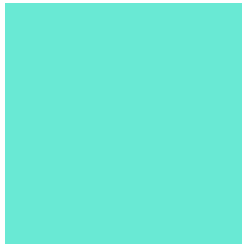


0.7911, 0.5810, 0.2974



# Previews

## White Background



This preview shows how the Yxy color 66.0346, 0.2526, 0.3561 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

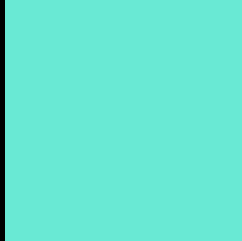
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 66.0346, 0.2526, 0.3561 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

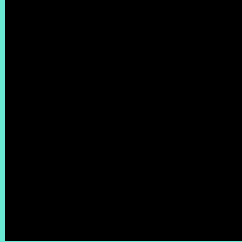
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

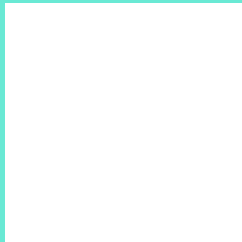
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 66.0346, 0.2526, 0.3561**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.0346, 0.2526, 0.3561.

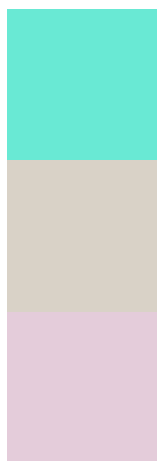


This preview shows how white text looks on a background with the Yxy color 66.0346, 0.2526, 0.3561.

# 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

66.0346, 0.2526, 0.3561

### Protanopia

64.9684, 0.3257, 0.3415

### Deuteranopia

64.7417, 0.3211, 0.3138



## Tritanopia

65.9225, 0.2407, 0.3069

# Trichromacy



## Original Color

66.0346, 0.2526, 0.3561



## Protanomaly

63.7325, 0.2925, 0.3460



## Deuteranomaly

63.6260, 0.2896, 0.3277



## Tritanomaly

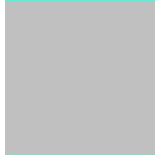
66.0449, 0.2449, 0.3238

# Monochromacy



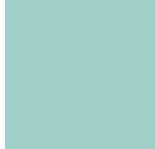
## Original Color

66.0346, 0.2526, 0.3561



## Achromatopsia

52.7115, 0.3127, 0.3290



## Achromatomaly

56.2228, 0.2843, 0.3392

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.0346, 0.2526, 0.3561 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(105, 233, 212)` looks like.

```
.text, #text, p{  
    color:rgb(105, 233, 212)  
}
```

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(105, 233, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 233, 212) }
```

## Border

The CSS property to change the border of an element to Yxy 66.0346, 0.2526, 0.3561 is called "border". The border property can be set on classes, ids or directly on the HTML element.

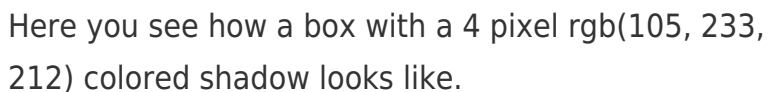
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(105, 233, 212) }
```

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

```
.border{ border-color:rgb(105, 233, 212) }
```

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



Here you see how a box with a 4 pixel `rgb(105, 233, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 233, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 233, 212);  
box-shadow:4px 4px 4px 4px rgb(105, 233,  
212) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.0346, 0.2526, 0.3561 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 233, 212) }
```

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

```
.background{ background-color: rgb(105,  
233, 212) }
```

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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