

# Converting Colors

$Yxy(66.3527, 0.2542, 0.3317)$

Have a look what the booklet for  
Yxy(66.3527, 0.2542, 0.3317)  
contains.

<b>Yxy(66.1739, 0.2543, 0.3313)</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(66.1739, 0.2543, 0.3313)**

# Conversions

## Conversions Part 1

Format	Color
Hex	80E5E3
RGB	128, 229, 227
RGB Percent	50%, 90%, 89%
CMY	0.4978, 0.1020, 0.1098
CMYK	0.44, 0.00, 0.01, 0.10
HSL	179°, 66%, 70%
HSV	179°, 44%, 90%
XYZ	50.7939, 66.1739, 82.7723
YIQ	198.5730, -59.5540, -22.0340

# Conversions

## Conversions Part 2

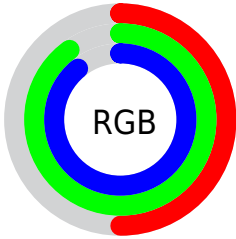
<b>Format</b>	<b>Color</b>
<b>RYB</b>	128, 179, 229
Decimal	8447459
CIELab	85.09, -29.96, -8.25
CIELCh	85, 31.073, 195.391
Yxy	66.1739, 0.2543, 0.3313
Android (android.graphics.Color)	4286637539 (0xFF80E5E3)
YUV	198.5730, 14.0145, -61.8925
Hunter-Lab	81.3473, -30.9011, -3.3854

# Details

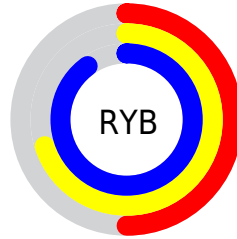
The Yxy color **66.1739, 0.2543, 0.3313** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **33.7258, 0.4274, 0.3270**, and the grayscale version is **56.7896, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.1791, 0.2731, 0.3289**, and **34.0946, 0.2401, 0.3305** is the 20% darker color. If you saturate the color by 10%, you get **64.5706, 0.2450, 0.3319**, and if you desaturate by 10%, it is **68.1831, 0.2653, 0.3307**.

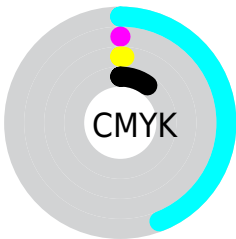
# Distribution



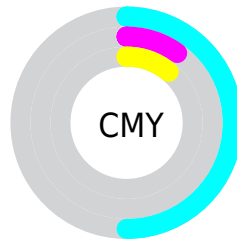
- Red (50%)
- Green (90%)
- Blue (89%)



- Red (50%)
- Yellow (70%)
- Blue (90%)



- Cyan (44%)
- Magenta (0%)
- Yellow (1%)
- Black (10%)




- Cyan (50%)
- Magenta (10%)
- Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.1739, 0.2543, 0.3313 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 66.1739, 0.2543, 0.3313 by changing the saturation by 10% instead.




 66.1739, 0.2543,  
0.3313


 66.1739, 0.2543,  
0.3313


446.9986, 0.2813,  
0.3308


 48.4136, 0.2482,  
0.3313


 113.7359, 0.2637,  
0.3312

 34.1545, 0.2406,  
0.3312


 144.3064, 0.2673,  
0.3312

 23.0123, 0.2310,  
0.3309


 179.9157, 0.2704,  
0.3311

 14.6026, 0.2186,  
0.3304

220.9482, 0.2732,  
0.3310

 8.5410, 0.2018,  
0.3293

267.7884, 0.2756,  
0.3310

 4.4430, 0.1781,  
0.3268

320.8205, 0.2777,

 1.9243, 0.1427,

0.3309

380.4291, 0.2796,  
0.3308

0.3208

0.5629, 0.0000,  
0.3180

0.0000, 0.0000,  
0.0000

66.1739, 0.2543,  
0.3313

66.1739, 0.2543,  
0.3313

64.5706, 0.2450,  
0.3319

68.1831, 0.2653,  
0.3307

63.3383, 0.2376,  
0.3325

70.6153, 0.2779,  
0.3302

62.4488, 0.2322,  
0.3332

73.4957, 0.2917,  
0.3296

61.8666, 0.2287,  
0.3338


76.8456, 0.3065,  
0.3292


 61.5484, 0.2269,  
0.3344


 80.6846, 0.3219,  
0.3288

 61.4439, 0.2263,  
0.3348

 82.9929, 0.3304,  
0.3283

 83.0182, 0.3300,  
0.3279

 83.0436, 0.3297,  
0.3274

 83.0691, 0.3294,  
0.3270

# Harmonies

## Analogous

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



66.1739, 0.2824, 0.3683



66.1739, 0.2543, 0.3313



66.1739, 0.2415, 0.2965

# Triad

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



66.1739, 0.2543, 0.3313



66.1739, 0.3018, 0.2737



66.1739, 0.3828, 0.3817

# Complementary

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



66.1739, 0.2543, 0.3313



33.7258, 0.4274, 0.3270

# 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.



66.1739, 0.3896, 0.3540



66.1739, 0.2543, 0.3313



66.1739, 0.3412, 0.2938

# Square

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



66.1739, 0.2543, 0.3313



66.1739, 0.2676, 0.2661



66.1739, 0.3741, 0.3224



66.1739, 0.3567, 0.3975

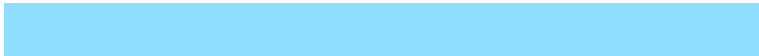


# Rectangle

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



66.1739, 0.2543, 0.3313



66.1739, 0.2427, 0.2796



66.1739, 0.3741, 0.3224



66.1739, 0.3875, 0.3734

# Sweetspot

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



66.1765, 0.2543, 0.3313



94.2039, 0.2931, 0.3296



62.4557, 0.3083, 0.4657



19.9751, 0.2900, 0.3297



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.



66.1765, 0.2543, 0.3313



82.5520, 0.2457, 0.3319



43.6638, 0.2426, 0.2664



16.3313, 0.2984, 0.3294



35.1346, 0.2263, 0.3347



2.5979, 0.2261, 0.3338



# Inverse Universe

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



33.7258, 0.4274, 0.3270



36.0748, 0.4664, 0.3268



48.9420, 0.4039, 0.3833



14.3726, 0.3289, 0.3286



9.5319, 0.6379, 0.3288

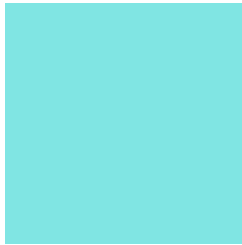


0.7060, 0.6318, 0.3254



# Previews

## White Background



This preview shows how the Yxy color 66.1739, 0.2543, 0.3313 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

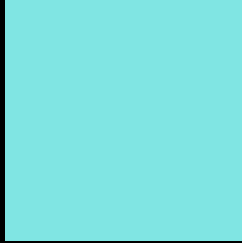
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 66.1739, 0.2543, 0.3313 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

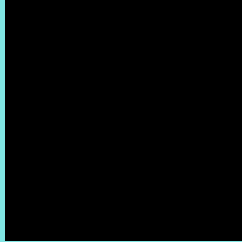
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 66.1739, 0.2543, 0.3313**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.1739, 0.2543, 0.3313.

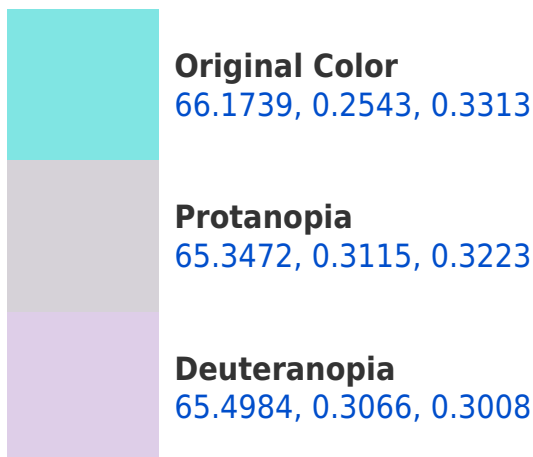


This preview shows how white text looks on a background with the Yxy color 66.1739, 0.2543, 0.3313.

# 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

65.9718, 0.2474, 0.3059

# Trichromacy



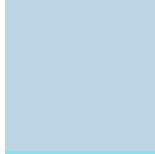
## Original Color

66.1739, 0.2543, 0.3313



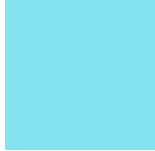
## Protanomaly

64.8603, 0.2873, 0.3254



## Deuteranomaly

64.4977, 0.2843, 0.3104



## Tritanomaly

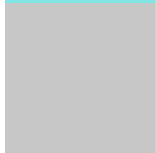
65.9365, 0.2500, 0.3154

# Monochromacy



## Original Color

66.1739, 0.2543, 0.3313



## Achromatopsia

57.1125, 0.3127, 0.3290



## Achromatomaly

59.5809, 0.2870, 0.3302

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.1739, 0.2543, 0.3313 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(128, 229, 227)` looks like.

```
.text, #text, p{  
    color:rgb(128, 229, 227)  
}
```

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(128, 229, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 229, 227) }
```

## Border

The CSS property to change the border of an element to Yxy 66.1739, 0.2543, 0.3313 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(128, 229, 227) }
```

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

```
.border{ border-color:rgb(128, 229, 227) }
```

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

Here you see how a box with a 4 pixel rgb(128, 229, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 229, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 229, 227);  
box-shadow:4px 4px 4px 4px rgb(128, 229,  
227) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.1739, 0.2543, 0.3313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 229, 227) }
```

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

```
.background{ background-color: rgb(128,  
229, 227) }
```

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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