

# Converting Colors

$Yxy(66.6662, 0.2539, 0.3456)$

Have a look what the booklet for  
Yxy(66.6662, 0.2539, 0.3456)  
contains.

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# Color

**Yxy(66.6096, 0.2539, 0.3453)**

# Conversions

## Conversions Part 1

Format	Color
Hex	75E8DB
RGB	117, 232, 219
RGB Percent	46%, 91%, 86%
CMY	0.5413, 0.0902, 0.1410
CMYK	0.50, 0.00, 0.06, 0.09
HSL	173°, 71%, 68%
HSV	173°, 50%, 91%
XYZ	48.9782, 66.6096, 77.3157
YIQ	196.1330, -64.3670, -28.4230

# Conversions

## Conversions Part 2

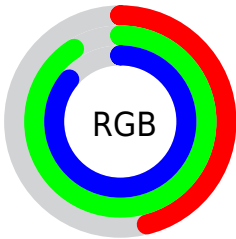
Format	Color
<a href="#">RYB</a>	<a href="#">117, 178, 232</a>
Decimal	<a href="#">7727323</a>
CIELab	<a href="#">85.31, -35.81, -3.76</a>
CIELCh	<a href="#">85, 36.004, 185.999</a>
Yxy	<a href="#">66.6096, 0.2539, 0.3453</a>
Android (android.graphics.Color)	<a href="#">4285917403</a> ( <a href="#">0xFF75E8DB</a> )
YUV	<a href="#">196.1330, 11.2734, -69.3996</a>
Hunter-Lab	<a href="#">81.6147, -35.7052, 0.9633</a>

# Details

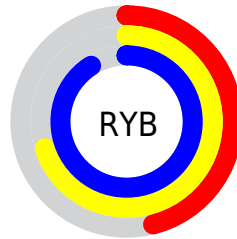
The Yxy color **66.6096, 0.2539, 0.3453** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **31.4808, 0.4366, 0.3148**, and the grayscale version is **55.2429, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.9701, 0.2681, 0.3289**, and **34.4879, 0.2400, 0.3494** is the 20% darker color. If you saturate the color by 10%, you get **65.0632, 0.2463, 0.3491**, and if you desaturate by 10%, it is **68.5615, 0.2633, 0.3416**.

# Distribution



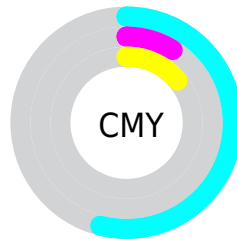
- Red (46%)
- Green (91%)
- Blue (86%)



- Red (46%)
- Yellow (70%)
- Blue (91%)



- Cyan (50%)
- Magenta (0%)
- Yellow (6%)
- Black (9%)




- Cyan (54%)
- Magenta (9%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.6096, 0.2539, 0.3453 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 66.6096, 0.2539, 0.3453 by changing the saturation by 10% instead.




 66.6096, 0.2539,  
0.3453

 66.6096, 0.2539,  
0.3453


448.5539, 0.2812,  
0.3380


 48.7674, 0.2477,  
0.3469


 114.3608, 0.2634,  
0.3428

 34.4350, 0.2400,  
0.3488


 145.0387, 0.2671,  
0.3418

 23.2280, 0.2302,  
0.3512


 180.7639, 0.2702,  
0.3410

 14.7619, 0.2175,  
0.3542

221.9208, 0.2730,  
0.3403

 8.6525, 0.2003,  
0.3580

268.8939, 0.2754,  
0.3396

 4.5152, 0.1759,  
0.3629

322.0675, 0.2776,

 1.9657, 0.1384,

0.3390

381.8260, 0.2795,  
0.3385

0.3694

0.5875, 0.0000,  
0.3942

0.0000, 0.0000,  
0.0000

66.6096, 0.2539,  
0.3453

66.6096, 0.2539,  
0.3453

65.0632, 0.2463,  
0.3491

68.5615, 0.2633,  
0.3416

63.8846, 0.2406,  
0.3531


70.9379, 0.2742,  
0.3381

63.0420, 0.2369,  
0.3570


73.7661, 0.2863,  
0.3348

62.4949, 0.2350,  
0.3609


77.0689, 0.2995,  
0.3317


 62.1768, 0.2347,  
0.3648


 80.8672, 0.3133,  
0.3289

 62.1653, 0.2347,  
0.3650

 84.9591, 0.3267,  
0.3264

 85.1113, 0.3250,  
0.3238

 85.2656, 0.3233,  
0.3212

 85.4222, 0.3216,  
0.3187

# Harmonies

## Analogous

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



66.6096, 0.2903, 0.3863



66.6096, 0.2539, 0.3453



66.6096, 0.2336, 0.3024

# Triad

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



66.6096, 0.2539, 0.3453



66.6096, 0.2864, 0.2614



66.6096, 0.3987, 0.3800

# Complementary

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



66.6096, 0.2539, 0.3453



31.4808, 0.4366, 0.3148

# 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.



66.6096, 0.3988, 0.3457



66.6096, 0.2539, 0.3453



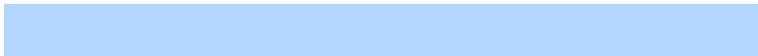
66.6096, 0.3312, 0.2803

# Square

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



66.6096, 0.2539, 0.3453



66.6096, 0.2513, 0.2577



66.6096, 0.3735, 0.3102



66.6096, 0.3745, 0.4043

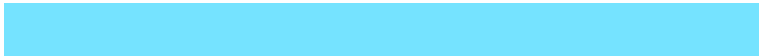


# Rectangle

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



66.6096, 0.2539, 0.3453



66.6096, 0.2309, 0.2799



66.6096, 0.3735, 0.3102



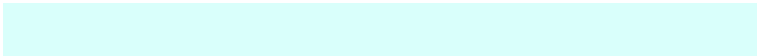
66.6096, 0.4017, 0.3692

# Sweetspot

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



66.6122, 0.2539, 0.3453



93.1787, 0.2921, 0.3333



63.7764, 0.3130, 0.4829



19.7627, 0.2894, 0.3340



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.



66.6122, 0.2539, 0.3453



80.5030, 0.2458, 0.3494



45.5323, 0.2367, 0.2703



16.3069, 0.2997, 0.3316



34.5216, 0.2345, 0.3643



2.5590, 0.2330, 0.3586



# Inverse Universe

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



31.4808, 0.4366, 0.3148



32.1007, 0.4810, 0.3130



43.9521, 0.4249, 0.3792



14.3943, 0.3275, 0.3264



9.5752, 0.6261, 0.3223

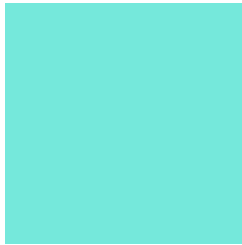


0.7164, 0.5961, 0.3058



# Previews

## White Background



This preview shows how the Yxy color 66.6096, 0.2539, 0.3453 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

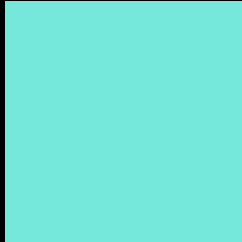
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 66.6096, 0.2539, 0.3453 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

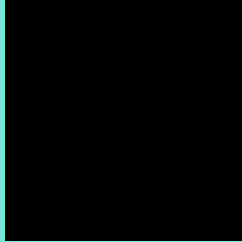
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

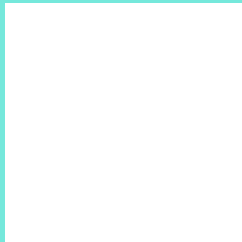
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 66.6096, 0.2539, 0.3453**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.6096, 0.2539, 0.3453.

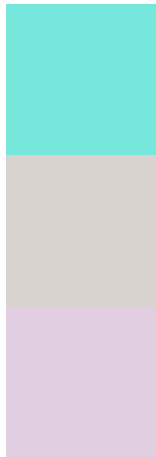


This preview shows how white text looks on a background with the Yxy color 66.6096, 0.2539, 0.3453.

# 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

66.6096, 0.2539, 0.3453

### Protanopia

65.8452, 0.3200, 0.3335

### Deuteranopia

65.7476, 0.3144, 0.3084



## Tritanopia

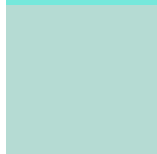
66.5762, 0.2444, 0.3071

# Trichromacy



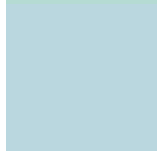
## Original Color

66.6096, 0.2539, 0.3453



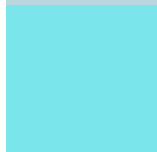
## Protanomaly

65.1899, 0.2915, 0.3385



## Deuteranomaly

64.3677, 0.2873, 0.3196



## Tritanomaly

66.3057, 0.2479, 0.3202

# Monochromacy



## Original Color

66.6096, 0.2539, 0.3453



## Achromatopsia

55.2011, 0.3127, 0.3290



## Achromatomaly

58.1761, 0.2860, 0.3352

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.6096, 0.2539, 0.3453 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, 232, 219)` looks like.

```
.text, #text, p{  
    color:rgb(117, 232, 219)  
}
```

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, 232, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 232, 219) }
```

## Border

The CSS property to change the border of an element to Yxy 66.6096, 0.2539, 0.3453 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, 232, 219) }
```

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

```
.border{ border-color:rgb(117, 232, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 232, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 232, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 232, 219);  
box-shadow:4px 4px 4px 4px rgb(117, 232,  
219) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.6096, 0.2539, 0.3453 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 232, 219) }
```

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

```
.background{ background-color: rgb(117,  
232, 219) }
```

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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