

# Converting Colors

$Yxy(66.4352, 0.2371, 0.3525)$

Have a look what the booklet for  
Yxy(66.4352, 0.2371, 0.3525)  
contains.

<b>Yxy(66.5527, 0.2370, 0.3525)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(66.5527, 0.2370, 0.3525)**

# Conversions

## Conversions Part 1

Format	Color
Hex	39EDDB
RGB	57, 237, 219
RGB Percent	22%, 93%, 86%
CMY	0.7775, 0.0705, 0.1412
CMYK	0.76, 0.00, 0.08, 0.07
HSL	174°, 83%, 58%
HSV	174°, 76%, 93%
XYZ	44.7461, 66.5527, 77.5032
YIQ	181.1280, -101.5020, -43.7580

# Conversions

## Conversions Part 2

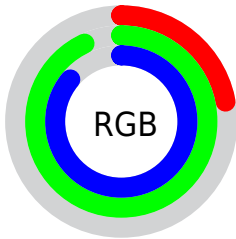
Format	Color
<a href="#">RYB</a>	<a href="#">57, 152, 237</a>
Decimal	<a href="#">3796443</a>
CIELab	<a href="#">85.28, -47.58, -3.96</a>
CIELCh	<a href="#">85, 47.742, 184.754</a>
Yxy	<a href="#">66.5527, 0.2370, 0.3525</a>
Android (android.graphics.Color)	<a href="#">4281986523 (0xFF39EDDB)</a>
YUV	<a href="#">181.1280, 18.6709, -108.8603</a>
Hunter-Lab	<a href="#">81.5798, -44.8585, 0.7787</a>

# Details

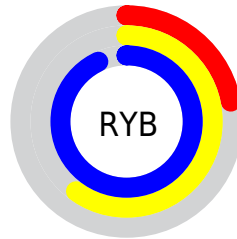
The Yxy color **66.5527, 0.2370, 0.3525** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **21.4133, 0.5550, 0.3157**, and the grayscale version is **46.1812, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.6455, 0.2489, 0.3288**, and **35.3229, 0.2324, 0.3565** is the 20% darker color. If you saturate the color by 10%, you get **65.8930, 0.2344, 0.3560**, and if you desaturate by 10%, it is **67.5435, 0.2415, 0.3490**.

# Distribution



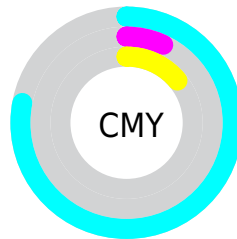
- Red (22%)
- Green (93%)
- Blue (86%)



- Red (22%)
- Yellow (60%)
- Blue (93%)



- Cyan (76%)
- Magenta (0%)
- Yellow (8%)
- Black (7%)




- Cyan (78%)
- Magenta (7%)
- Yellow (14%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.5527, 0.2370, 0.3525 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 66.5527, 0.2370, 0.3525 by changing the saturation by 10% instead.




 66.5527, 0.2370,  
0.3525


 66.5527, 0.2370,  
0.3525


448.3509, 0.2720,  
0.3420

 48.7212, 0.2291,  
0.3548


 114.2792, 0.2491,  
0.3490


 34.3984, 0.2193,  
0.3575


 144.9431, 0.2538,  
0.3476

 23.1998, 0.2070,  
0.3609


 180.6532, 0.2579,  
0.3463

 14.7411, 0.1912,  
0.3650

 221.7939, 0.2614,  
0.3453

 8.6379, 0.1701,  
0.3702

268.7496, 0.2646,  
0.3443

 4.5058, 0.1408,  
0.3767

321.9048, 0.2673,

 1.9603, 0.0884,

0.3435

0.3885

381.6437, 0.2698,  
0.3427

■ 0.5843, 0.0000,  
0.3903

■ 0.0000, 0.0000,  
0.0000

■ 66.5527, 0.2370,  
0.3525

■ 66.5527, 0.2370,  
0.3525

■ 65.8930, 0.2344,  
0.3560

■ 67.5435, 0.2415,  
0.3490


■ 65.5071, 0.2336,  
0.3594

■ 68.8979, 0.2480,  
0.3456


■ 65.3992, 0.2335,  
0.3607


■ 70.6528, 0.2563,  
0.3422

■ 72.8385, 0.2663,  
0.3390

 75.4824, 0.2779,  
0.3360

 78.6097, 0.2906,  
0.3331

 82.2438, 0.3042,  
0.3305

 86.4063, 0.3184,  
0.3281

 88.1488, 0.3227,  
0.3258

# Harmonies

## Analogous

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



66.5527, 0.2843, 0.4088



66.5527, 0.2370, 0.3525



66.5527, 0.2109, 0.2943

# Triad

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



66.5527, 0.2370, 0.3525



66.5527, 0.2753, 0.2416



66.5527, 0.4267, 0.3915

# Complementary

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



66.5527, 0.2370, 0.3525



21.4133, 0.5550, 0.3157

# 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.



66.5527, 0.4264, 0.3466



66.5527, 0.2370, 0.3525



66.5527, 0.3339, 0.2647

# Square

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



66.5527, 0.2370, 0.3525



66.5527, 0.2314, 0.2370



66.5527, 0.3913, 0.3019



66.5527, 0.3945, 0.4266



# Rectangle

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



66.5527, 0.2370, 0.3525



66.5527, 0.2071, 0.2649



66.5527, 0.3913, 0.3019



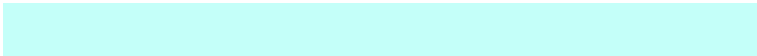
66.5527, 0.4306, 0.3770

# Sweetspot

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



66.5552, 0.2370, 0.3525



90.1509, 0.2815, 0.3351



62.3580, 0.3073, 0.5651



19.0268, 0.2771, 0.3362



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.



66.5552, 0.2370, 0.3525



77.5167, 0.2338, 0.3578



33.8549, 0.2036, 0.2267



17.0944, 0.2995, 0.3313



35.7108, 0.2334, 0.3602



2.8117, 0.2321, 0.3554



# Inverse Universe

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



21.4133, 0.5550, 0.3157



22.0692, 0.6115, 0.3210



33.9623, 0.5084, 0.3970



15.0785, 0.3277, 0.3267



9.8738, 0.6283, 0.3235

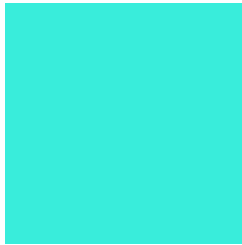


0.7836, 0.6023, 0.3092



# Previews

## White Background



This preview shows how the Yxy color 66.5527, 0.2370, 0.3525 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

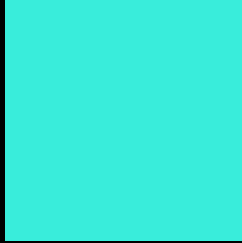
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 66.5527, 0.2370, 0.3525 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 66.5527, 0.2370, 0.3525**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.5527, 0.2370, 0.3525.

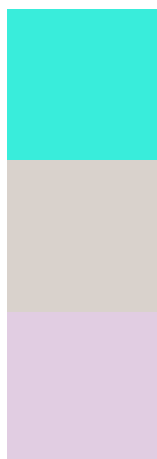


This preview shows how white text looks on a background with the Yxy color 66.5527, 0.2370, 0.3525.

# 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

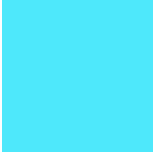
66.5527, 0.2370, 0.3525

### Protanopia

65.2045, 0.3222, 0.3358

### Deuteranopia

65.1612, 0.3130, 0.3062



## Tritanopia

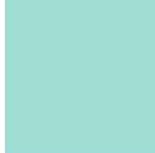
66.2980, 0.2275, 0.3053

# Trichromacy



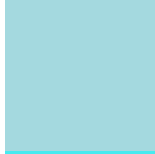
## Original Color

66.5527, 0.2370, 0.3525



## Protanomaly

63.1608, 0.2788, 0.3426



## Deuteranomaly

62.8459, 0.2735, 0.3216



## Tritanomaly

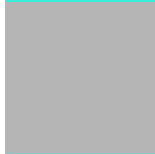
66.3797, 0.2309, 0.3224

# Monochromacy



## Original Color

66.5527, 0.2370, 0.3525



## Achromatopsia

46.2077, 0.3127, 0.3290



## Achromatomaly

50.9477, 0.2705, 0.3371

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.5527, 0.2370, 0.3525 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(57, 237, 219)` looks like.

```
.text, #text, p{  
    color:rgb(57, 237, 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(57, 237, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 237, 219) }
```

## Border

The CSS property to change the border of an element to Yxy 66.5527, 0.2370, 0.3525 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(57, 237, 219) }
```

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

```
.border{ border-color:rgb(57, 237, 219) }
```

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

Here you see how a box with a 4 pixel rgb(57, 237, 219) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 237, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 237, 219);  
box-shadow:4px 4px 4px 4px rgb(57, 237,  
219) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.5527, 0.2370, 0.3525 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 237, 219) }
```

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

```
.background{ background-color: rgb(57, 237,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor