

Converting Colors

$Yxy(65.1366, 0.2476, 0.3379)$

Have a look what the booklet for
Yxy(65.1366, 0.2476, 0.3379)
contains.

Yxy(65.0471, 0.2476, 0.3378)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(65.0471, 0.2476, 0.3378)

Conversions

Conversions Part 1

Format	Color
Hex	6BE6DF
RGB	107, 230, 223
RGB Percent	42%, 90%, 87%
CMY	0.5803, 0.0980, 0.1256
CMYK	0.53, 0.00, 0.03, 0.10
HSL	177°, 71%, 66%
HSV	177°, 53%, 90%
XYZ	47.6781, 65.0471, 79.8358
YIQ	192.4250, -71.0610, -28.2530

Conversions

Conversions Part 2

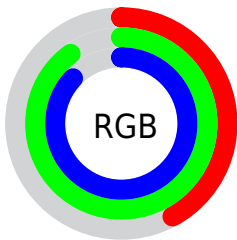
Format	Color
R _Y B	107, 170, 230
Decimal	7071455
CIE Lab	84.51, -35.94, -7.06
CIE LCh	85, 36.630, 191.108
Yxy	65.0471, 0.2476, 0.3378
Android (android.graphics.Color)	4285261535 (0xFF6BE6DF)
YUV	192.4250, 15.0735, -74.9177
Hunter-Lab	80.6518, -35.6186, -2.2339

Details

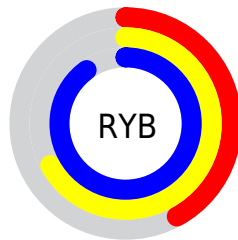
The Yxy color **65.0471, 0.2476, 0.3378** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **28.5598, 0.4611, 0.3217**, and the grayscale version is **52.9183, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.9555, 0.2638, 0.3289**, and **33.4566, 0.2321, 0.3391** is the 20% darker color. If you saturate the color by 10%, you get **63.7376, 0.2403, 0.3397**, and if you desaturate by 10%, it is **66.7412, 0.2567, 0.3360**.

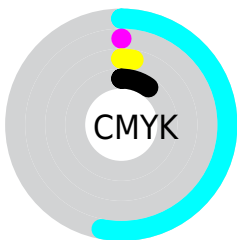
Distribution



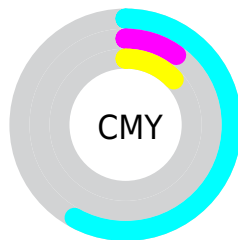
- Red (42%)
- Green (90%)
- Blue (87%)



- Red (42%)
- Yellow (67%)
- Blue (90%)



- Cyan (53%)
- Magenta (0%)
- Yellow (3%)
- Black (10%)




- Cyan (58%)
- Magenta (10%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.0471, 0.2476, 0.3378 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 65.0471, 0.2476, 0.3378 by changing the saturation by 10% instead.


 65.0471, 0.2476,
0.3378

 65.0471, 0.2476,
0.3378

442.9612, 0.2778,
0.3343


 47.4993, 0.2407,
0.3385


 112.1176, 0.2581,
0.3367

 33.4305, 0.2322,
0.3392

 142.4090, 0.2621,
0.3362

 22.4565, 0.2215,
0.3400


 177.7171, 0.2657,
0.3358

 14.1927, 0.2076,
0.3408

218.4262, 0.2687,
0.3354

 8.2548, 0.1889,
0.3414

264.9208, 0.2714,
0.3351

 4.2584, 0.1625,
0.3414

317.5852, 0.2738,

 1.8191, 0.1211,

0.3348

376.8039, 0.2759,
0.3345

0.3395

0.4991, 0.0000,
0.3246

0.0000, 0.0000,
0.0000

65.0471, 0.2476,
0.3378

65.0471, 0.2476,
0.3378

63.7376, 0.2403,
0.3397

66.7412, 0.2567,
0.3360

62.7745, 0.2350,
0.3416


68.8399, 0.2675,
0.3342

62.1247, 0.2316,
0.3435

71.3705, 0.2798,
0.3325

61.7449, 0.2300,
0.3454


74.3559, 0.2933,
0.3309


 61.5985, 0.2296,
0.3467

 77.8173, 0.3076,
0.3295

 81.7748, 0.3225,
0.3282

 83.6924, 0.3286,
0.3269

 83.7674, 0.3277,
0.3256

 83.8431, 0.3269,
0.3243

Harmonies

Analogous

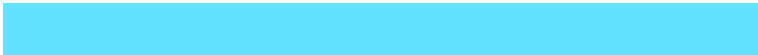
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



65.0471, 0.2825, 0.3816



65.0471, 0.2476, 0.3378



65.0471, 0.2302, 0.2951

Triad

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



65.0471, 0.2476, 0.3378



65.0471, 0.2931, 0.2622



65.0471, 0.3982, 0.3864

Complementary

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



65.0471, 0.2476, 0.3378



28.5598, 0.4611, 0.3217

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.



65.0471, 0.4029, 0.3522



65.0471, 0.2476, 0.3378



65.0471, 0.3396, 0.2837

Square

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



65.0471, 0.2476, 0.3378



65.0471, 0.2549, 0.2555



65.0471, 0.3810, 0.3156



65.0471, 0.3698, 0.4087

Rectangle

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



65.0471, 0.2476, 0.3378



65.0471, 0.2297, 0.2739



65.0471, 0.3810, 0.3156



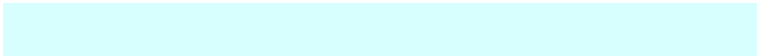
65.0471, 0.4028, 0.3758

Sweetspot

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



65.0496, 0.2476, 0.3378



92.9170, 0.2896, 0.3313



61.3179, 0.3091, 0.4980



19.7174, 0.2868, 0.3316



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.



65.0496, 0.2476, 0.3378



80.4187, 0.2398, 0.3399



40.1712, 0.2295, 0.2560



16.3214, 0.2989, 0.3303



34.8784, 0.2296, 0.3464



2.5818, 0.2288, 0.3436

Inverse Universe

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



28.5598, 0.4611, 0.3217



29.8218, 0.5107, 0.3213



43.1365, 0.4326, 0.3894



14.3813, 0.3284, 0.3277



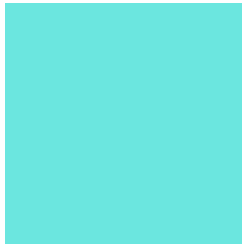
9.5466, 0.6338, 0.3265



0.7102, 0.6168, 0.3171

Previews

White Background



This preview shows how the Yxy color 65.0471, 0.2476, 0.3378 looks on a white background.

Color Contrast Check

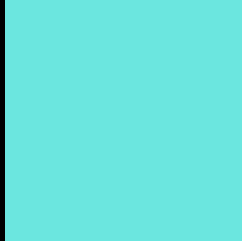
Large Text (above 18pt) WCAG AA × Fail

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 65.0471, 0.2476, 0.3378 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

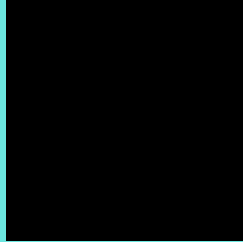
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.0471, 0.2476, 0.3378

Background



This preview shows how black text looks on a background with the Yxy color 65.0471, 0.2476, 0.3378.

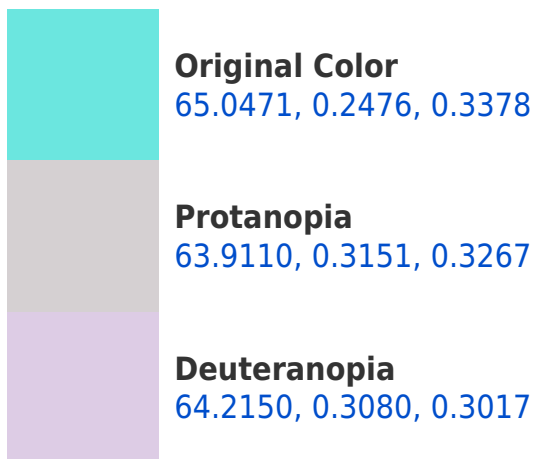


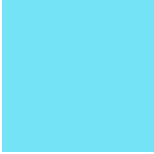
This preview shows how white text looks on a background with the Yxy color 65.0471, 0.2476, 0.3378.

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

65.1756, 0.2401, 0.3067

Trichromacy



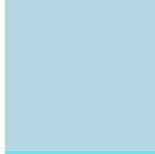
Original Color

65.0471, 0.2476, 0.3378



Protanomaly

63.0167, 0.2843, 0.3301



Deuteranomaly

62.8378, 0.2808, 0.3124



Tritanomaly

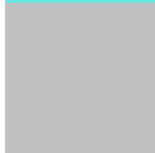
65.0460, 0.2427, 0.3176

Monochromacy



Original Color

65.0471, 0.2476, 0.3378



Achromatopsia

52.7115, 0.3127, 0.3290



Achromatomaly

56.0315, 0.2824, 0.3327

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.0471, 0.2476, 0.3378 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(107, 230, 223)` looks like.

```
.text, #text, p{  
    color:rgb(107, 230, 223)  
}
```

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(107, 230, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 230, 223) }
```

Border

The CSS property to change the border of an element to Yxy 65.0471, 0.2476, 0.3378 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(107, 230, 223) }
```

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

```
.border{ border-color:rgb(107, 230, 223) }
```

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

Here you see how a box with a 4 pixel rgb(107, 230, 223) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 230, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 230, 223);  
box-shadow:4px 4px 4px 4px rgb(107, 230,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 65.0471, 0.2476, 0.3378 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 230, 223) }
```

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

```
.background{ background-color: rgb(107,  
230, 223) }
```

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