

Converting Colors

$Yxy(64.3342, 0.2377, 0.3288)$

Have a look what the booklet for
Yxy(64.3342, 0.2377, 0.3288)
contains.

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Color

Yxy(64.3330, 0.2377, 0.3288)

Conversions

Conversions Part 1

Format	Color
Hex	57E6E6
RGB	87, 230, 230
RGB Percent	34%, 90%, 90%
CMY	0.6588, 0.0980, 0.0981
CMYK	0.62, 0.00, 0.00, 0.10
HSL	180°, 74%, 62%
HSV	180°, 62%, 90%
XYZ	46.5084, 64.3330, 84.8186
YIQ	187.2430, -85.2280, -30.3160

Conversions

Conversions Part 2

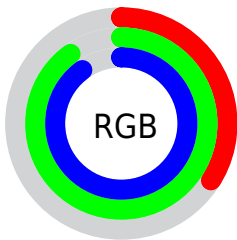
Format	Color
RYB	87, 159, 230
Decimal	5760742
CIELab	84.14, -37.63, -11.37
CIELCh	84, 39.309, 196.814
Yxy	64.3330, 0.2377, 0.3288
Android (android.graphics.Color)	4283950822 (0xFF57E6E6)
YUV	187.2430, 21.0792, -87.9131
Hunter-Lab	80.2079, -36.8609, -6.5528

Details

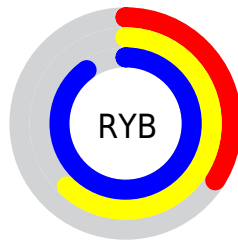
The Yxy color **64.3330, 0.2377, 0.3288** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **24.3295, 0.5116, 0.3296**, and the grayscale version is **49.7545, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.4154, 0.2570, 0.3288**, and **33.3672, 0.2242, 0.3270** is the 20% darker color. If you saturate the color by 10%, you get **63.3989, 0.2318, 0.3288**, and if you desaturate by 10%, it is **65.6245, 0.2456, 0.3288**.

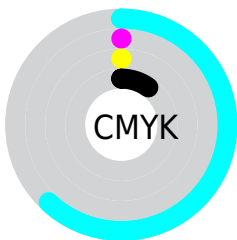
Distribution



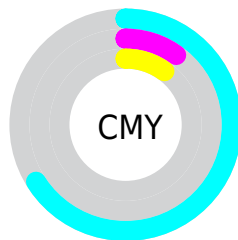
- Red (34%)
- Green (90%)
- Blue (90%)



- Red (34%)
- Yellow (62%)
- Blue (90%)



- Cyan (62%)
- Magenta (0%)
- Yellow (0%)
- Black (10%)





- Cyan (66%)
- Magenta (10%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.3330, 0.2377, 0.3288 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 64.3330, 0.2377, 0.3288 by changing the saturation by 10% instead.

 64.3330, 0.2377,
0.3288

 64.3330, 0.2377,
0.3288


440.3912, 0.2723,
0.3299


 46.9204, 0.2299,
0.3283


 111.0904, 0.2496,
0.3294

 32.9728, 0.2203,
0.3276


 141.2040, 0.2543,
0.3295

 22.1056, 0.2082,
0.3264


 176.3200, 0.2583,
0.3296

 13.9345, 0.1927,
0.3245

 216.8230, 0.2618,
0.3297

 8.0751, 0.1720,
0.3212

263.0971, 0.2649,
0.3298

 4.1431, 0.1435,
0.3151

315.5270, 0.2677,

 1.7539, 0.0985,

0.3298

0.3034

374.4969, 0.2701,
0.3298

0.4582, 0.0000,
0.2558

0.0000, 0.0000,
0.0000

64.3330, 0.2377,
0.3288

64.3330, 0.2377,
0.3288

63.3989, 0.2318,
0.3288

65.6245, 0.2456,
0.3288

62.7801, 0.2278,
0.3288

67.2963, 0.2553,
0.3288


62.4371, 0.2255,
0.3288


69.3780, 0.2668,
0.3289


62.3084, 0.2247,
0.3288

71.8941, 0.2799,
0.3289

 74.8674, 0.2941,
0.3290

 78.3188, 0.3093,
0.3290

 82.2681, 0.3252,
0.3290

 83.5703, 0.3300,
0.3290

 83.5704, 0.3300,
0.3290

Harmonies

Analogous

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



64.3330, 0.2718, 0.3778



64.3330, 0.2377, 0.3288



64.3330, 0.2233, 0.2849

Triad

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



64.3330, 0.2377, 0.3288



64.3330, 0.3007, 0.2608



64.3330, 0.4005, 0.3961

Complementary

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



64.3330, 0.2377, 0.3288



24.3295, 0.5116, 0.3296

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.



64.3330, 0.4112, 0.3609



64.3330, 0.2377, 0.3288



64.3330, 0.3510, 0.2862

Square

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



64.3330, 0.2377, 0.3288



64.3330, 0.2572, 0.2503



64.3330, 0.3929, 0.3217



64.3330, 0.3658, 0.4170

Rectangle

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



64.3330, 0.2377, 0.3288



64.3330, 0.2255, 0.2647



64.3330, 0.3929, 0.3217



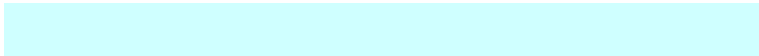
64.3330, 0.4071, 0.3854

Sweetspot

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



64.3354, 0.2377, 0.3288



91.9403, 0.2841, 0.3289



59.4278, 0.3044, 0.5292



19.4599, 0.2801, 0.3289



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.



64.3354, 0.2377, 0.3288



79.8201, 0.2303, 0.3288



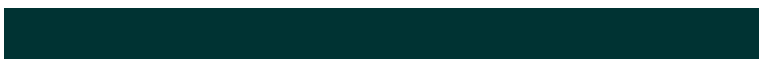
33.1906, 0.2152, 0.2309



16.3364, 0.2982, 0.3290



35.2737, 0.2247, 0.3288



2.6066, 0.2247, 0.3288

Inverse Universe

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



24.3295, 0.5116, 0.3296



25.2663, 0.5740, 0.3298



41.3298, 0.4529, 0.4046



14.3680, 0.3293, 0.3290



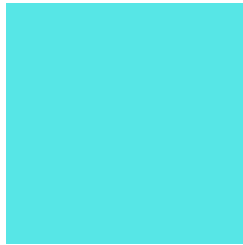
9.5243, 0.6401, 0.3300



0.7038, 0.6400, 0.3299

Previews

White Background



This preview shows how the Yxy color 64.3330, 0.2377, 0.3288 looks on a white background.

Color Contrast Check

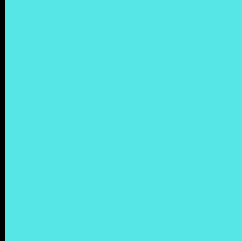
Large Text (above 18pt) WCAG AA × Fail

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 64.3330, 0.2377, 0.3288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

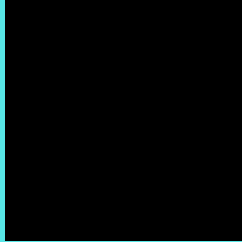
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.3330, 0.2377, 0.3288

Background



This preview shows how black text looks on a background with the Yxy color 64.3330, 0.2377, 0.3288.

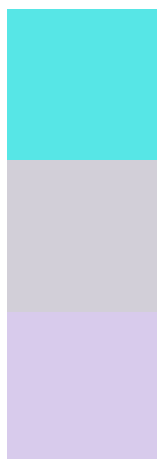


This preview shows how white text looks on a background with the Yxy color 64.3330, 0.2377, 0.3288.

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

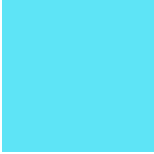
64.3330, 0.2377, 0.3288

Protanopia

63.2852, 0.3087, 0.3188

Deuteranopia

63.3669, 0.2996, 0.2929



Tritanopia

64.5203, 0.2327, 0.3064

Trichromacy



Original Color

64.3330, 0.2377, 0.3288



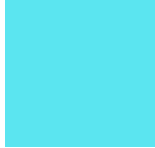
Protanomaly

61.8207, 0.2750, 0.3216



Deuteranomaly

61.9640, 0.2698, 0.3039



Tritanomaly

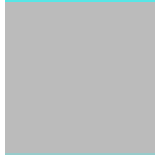
64.5540, 0.2345, 0.3149

Monochromacy



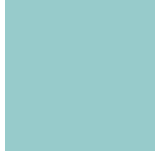
Original Color

64.3330, 0.2377, 0.3288



Achromatopsia

49.6933, 0.3127, 0.3290



Achromatomaly

53.6030, 0.2755, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.3330, 0.2377, 0.3288 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(87, 230, 230)` looks like.

```
.text, #text, p{  
    color:rgb(87, 230, 230)  
}
```

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(87, 230, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 230, 230) }
```

Border

The CSS property to change the border of an element to Yxy 64.3330, 0.2377, 0.3288 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(87, 230, 230) }
```

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

```
.border{ border-color:rgb(87, 230, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 230, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 230, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 230, 230);  
box-shadow:4px 4px 4px 4px rgb(87, 230,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 64.3330, 0.2377, 0.3288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 230, 230) }
```

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

```
.background{ background-color: rgb(87, 230,  
230) }
```

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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