

Converting Colors

$Yxy(63.4027, 0.2615, 0.3800)$

Have a look what the booklet for
Yxy(63.4027, 0.2615, 0.3800)
contains.

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Color

Yxy(63.4027, 0.2615, 0.3800)

Conversions

Conversions Part 1

Format	Color
Hex	69E6C0
RGB	105, 230, 192
RGB Percent	41%, 90%, 75%
CMY	0.5885, 0.0980, 0.2470
CMYK	0.54, 0.00, 0.17, 0.10
HSL	162°, 71%, 66%
HSV	162°, 54%, 90%
XYZ	43.6311, 63.4027, 59.8154
YIQ	188.2930, -62.3020, -38.3180

Conversions

Conversions Part 2

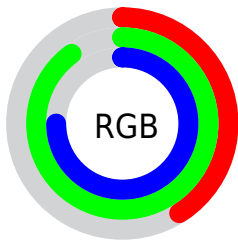
Format	Color
RYB	105, 179, 230
Decimal	6940352
CIELab	83.65, -43.84, 8.02
CIELCh	84, 44.564, 169.636
Yxy	63.4027, 0.2615, 0.3800
Android (android.graphics.Color)	4285130432 (0xFF69E6C0)
YUV	188.2930, 1.8276, -73.0480
Hunter-Lab	79.6258, -41.5359, 11.1990

Details

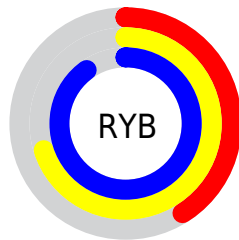
The Yxy color **63.4027, 0.2615, 0.3800** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **28.8930, 0.4229, 0.2866**, and the grayscale version is **50.4713, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.2966, 0.2661, 0.3366**, and **32.5113, 0.2483, 0.3933** is the 20% darker color. If you saturate the color by 10%, you get **61.8945, 0.2563, 0.3914**, and if you desaturate by 10%, it is **65.3071, 0.2684, 0.3691**.

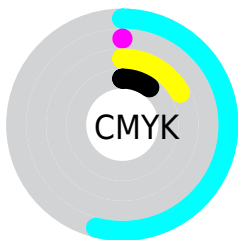
Distribution



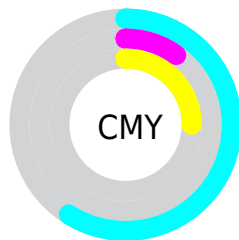
- Red (41%)
- Green (90%)
- Blue (75%)



- Red (41%)
- Yellow (70%)
- Blue (90%)



- Cyan (54%)
- Magenta (0%)
- Yellow (17%)
- Black (10%)




- Cyan (59%)
- Magenta (10%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.4027, 0.2615, 0.3800 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 63.4027, 0.2615, 0.3800 by changing the saturation by 10% instead.

 63.4027, 0.2615,
0.3800


 63.4027, 0.2615,
0.3800


437.0295, 0.2861,
0.3551


 46.1671, 0.2557,
0.3860


 109.7503, 0.2702,
0.3711

 32.3777, 0.2484,
0.3937


 139.6310, 0.2735,
0.3677

 21.6501, 0.2390,
0.4037


 174.4956, 0.2764,
0.3648

 13.6001, 0.2264,
0.4174

214.7283, 0.2788,
0.3623

 7.8430, 0.2088,
0.4369

260.7137, 0.2810,
0.3602

 3.9947, 0.1826,
0.4674

312.8361, 0.2829,

 1.6706, 0.1172,

0.3583

0.5341

371.4799, 0.2846,
0.3566

0.4045, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

63.4027, 0.2615,
0.3800

63.4027, 0.2615,
0.3800

61.8945, 0.2563,
0.3914

65.3071, 0.2684,
0.3691

60.7436, 0.2530,
0.4030


67.6280, 0.2769,
0.3588

59.9162, 0.2518,
0.4146

70.3932, 0.2864,
0.3491

59.3680, 0.2525,
0.4262


73.6260, 0.2968,
0.3403

 59.1433, 0.2535,
0.4326

 77.3479, 0.3078,
0.3323

 81.5792, 0.3191,
0.3250

 84.2064, 0.3229,
0.3183

 84.6319, 0.3184,
0.3116

 85.0735, 0.3139,
0.3050

Harmonies

Analogous

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



63.4027, 0.3133, 0.4220



63.4027, 0.2615, 0.3800



63.4027, 0.2254, 0.3229

Triad

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



63.4027, 0.2615, 0.3800



63.4027, 0.2538, 0.2409



63.4027, 0.4251, 0.3680

Complementary

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



63.4027, 0.2615, 0.3800



28.8930, 0.4229, 0.2866

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.



63.4027, 0.4075, 0.3241



63.4027, 0.2615, 0.3800



63.4027, 0.3039, 0.2545

Square

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



63.4027, 0.2615, 0.3800



63.4027, 0.2217, 0.2468



63.4027, 0.3613, 0.2840



63.4027, 0.4093, 0.4074

Rectangle

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



63.4027, 0.2615, 0.3800



63.4027, 0.2137, 0.2887



63.4027, 0.3613, 0.2840



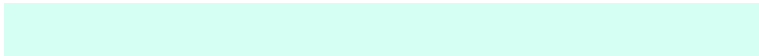
63.4027, 0.4230, 0.3534

Sweetspot

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



63.4052, 0.2615, 0.3800



92.2936, 0.2950, 0.3418



63.5960, 0.3279, 0.4914



19.5676, 0.2928, 0.3435



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.



63.4052, 0.2615, 0.3800



78.0473, 0.2559, 0.3925



53.3762, 0.2374, 0.2986



16.2579, 0.3022, 0.3362



33.5025, 0.2530, 0.4308



2.4920, 0.2483, 0.4140

Inverse Universe

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



28.8930, 0.4229, 0.2866



30.3280, 0.4597, 0.2814



33.2439, 0.4580, 0.3551



14.4397, 0.3245, 0.3219



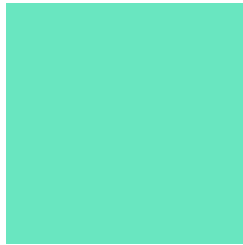
9.7926, 0.5743, 0.2937



0.7397, 0.5327, 0.2708

Previews

White Background



This preview shows how the Yxy color 63.4027, 0.2615, 0.3800 looks on a white background.

Color Contrast Check

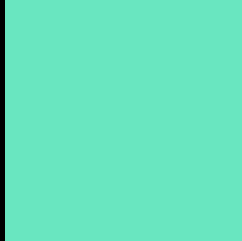
Large Text (above 18pt) WCAG AA × Fail

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 63.4027, 0.2615, 0.3800 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

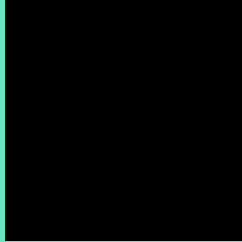
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 63.4027, 0.2615, 0.3800

Background



This preview shows how black text looks on a background with the Yxy color 63.4027, 0.2615, 0.3800.

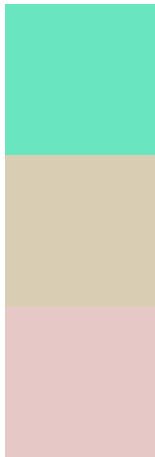


This preview shows how white text looks on a background with the Yxy color 63.4027, 0.2615, 0.3800.

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

63.4027, 0.2615, 0.3800

Protanopia

62.1896, 0.3402, 0.3591

Deuteranopia

62.2088, 0.3381, 0.3313



Tritanopia

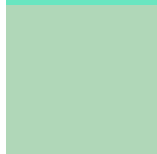
63.1912, 0.2433, 0.3066

Trichromacy



Original Color

63.4027, 0.2615, 0.3800



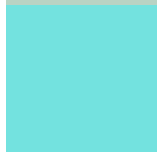
Protanomaly

61.2917, 0.3052, 0.3678



Deuteranomaly

60.8883, 0.3038, 0.3473



Tritanomaly

63.3653, 0.2498, 0.3327

Monochromacy



Original Color

63.4027, 0.2615, 0.3800



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

53.6551, 0.2890, 0.3474

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.4027, 0.2615, 0.3800 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(105, 230, 192)` looks like.

```
.text, #text, p{  
    color:rgb(105, 230, 192)  
}
```

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(105, 230, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 230, 192) }
```

Border

The CSS property to change the border of an element to Yxy 63.4027, 0.2615, 0.3800 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(105, 230, 192) }
```

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

```
.border{ border-color:rgb(105, 230, 192) }
```

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

Here you see how a box with a 4 pixel rgb(105, 230, 192) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 230, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 230, 192);  
box-shadow:4px 4px 4px 4px rgb(105, 230,  
192) }
```


Background

The CSS property to change the background color of an element to Yxy 63.4027, 0.2615, 0.3800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 230, 192) }
```

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

```
.background{ background-color: rgb(105,  
230, 192) }
```

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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