

Converting Colors

$Yxy(65.1063, 0.2477, 0.3510)$

Have a look what the booklet for
Yxy(65.1063, 0.2477, 0.3510)
contains.

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Color

Yxy(65.1063, 0.2477, 0.3510)

Conversions

Conversions Part 1

Format	Color
Hex	60E8D7
RGB	96, 232, 215
RGB Percent	38%, 91%, 84%
CMY	0.6236, 0.0902, 0.1568
CMYK	0.59, 0.00, 0.07, 0.09
HSL	173°, 75%, 64%
HSV	173°, 59%, 91%
XYZ	45.9454, 65.1063, 74.4363
YIQ	189.3980, -75.5990, -34.1190

Conversions

Conversions Part 2

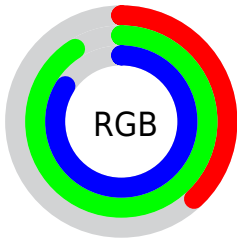
Format	Color
RYB	96, 169, 232
Decimal	6351063
CIELab	84.54, -40.95, -2.84
CIELCh	85, 41.046, 183.973
Yxy	65.1063, 0.2477, 0.3510
Android (android.graphics.Color)	4284541143 (0xFF60E8D7)
YUV	189.3980, 12.6218, -81.9100
Hunter-Lab	80.6885, -39.5639, 1.7860

Details

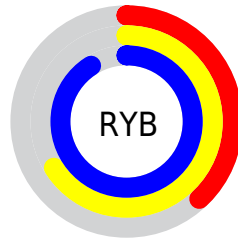
The Yxy color **65.1063, 0.2477, 0.3510** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **26.7132, 0.4714, 0.3113**, and the grayscale version is **51.0875, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.0091, 0.2596, 0.3288**, and **33.5887, 0.2325, 0.3571** is the 20% darker color. If you saturate the color by 10%, you get **63.8830, 0.2419, 0.3554**, and if you desaturate by 10%, it is **66.7085, 0.2554, 0.3467**.

Distribution



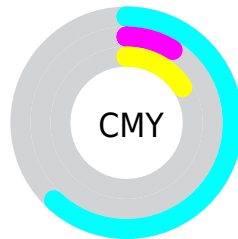
- Red (38%)
- Green (91%)
- Blue (84%)



- Red (38%)
- Yellow (66%)
- Blue (91%)



- Cyan (59%)
- Magenta (0%)
- Yellow (7%)
- Black (9%)




- Cyan (62%)
- Magenta (9%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 65.1063, 0.2477, 0.3510 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 65.1063, 0.2477, 0.3510 by changing the saturation by 10% instead.


 65.1063, 0.2477,
0.3510


 65.1063, 0.2477,
0.3510

443.1739, 0.2780,
0.3410

 47.5473, 0.2408,
0.3532


 112.2027, 0.2582,
0.3476

 33.4685, 0.2322,
0.3560


 142.5088, 0.2623,
0.3462

 22.4856, 0.2213,
0.3593


 177.8328, 0.2659,
0.3451

 14.2141, 0.2071,
0.3637

 218.5590, 0.2689,
0.3440

 8.2698, 0.1879,
0.3693

265.0718, 0.2716,
0.3431

 4.2680, 0.1608,
0.3768

317.7556, 0.2740,

 1.8246, 0.1133,

0.3423

376.9948, 0.2761,
0.3416

0.3898

0.5024, 0.0000,
0.4025

0.0000, 0.0000,
0.0000

65.1063, 0.2477,
0.3510

65.1063, 0.2477,
0.3510

63.8830, 0.2419,
0.3554

66.7085, 0.2554,
0.3467

62.9973, 0.2381,
0.3598

68.7116, 0.2648,
0.3426

62.4117, 0.2361,
0.3642


71.1449, 0.2757,
0.3387


62.0676, 0.2359,
0.3685


74.0327, 0.2879,
0.3350


 62.0279, 0.2359,
0.3691

 77.3976, 0.3009,
0.3317

 81.2606, 0.3146,
0.3286

 84.9917, 0.3264,
0.3258

 85.1610, 0.3245,
0.3230

 85.3330, 0.3226,
0.3201

Harmonies

Analogous

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



65.1063, 0.2898, 0.3982



65.1063, 0.2477, 0.3510



65.1063, 0.2237, 0.3008

Triad

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



65.1063, 0.2477, 0.3510



65.1063, 0.2792, 0.2516



65.1063, 0.4122, 0.3839

Complementary

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



65.1063, 0.2477, 0.3510



26.7132, 0.4714, 0.3113

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.



65.1063, 0.4107, 0.3444



65.1063, 0.2477, 0.3510



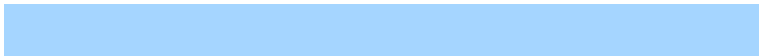
65.1063, 0.3301, 0.2718

Square

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



65.1063, 0.2477, 0.3510



65.1063, 0.2407, 0.2484



65.1063, 0.3797, 0.3047



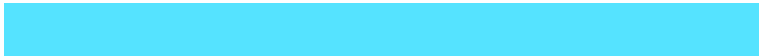
65.1063, 0.3856, 0.4137

Rectangle

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



65.1063, 0.2477, 0.3510



65.1063, 0.2197, 0.2746



65.1063, 0.3797, 0.3047



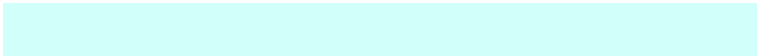
65.1063, 0.4152, 0.3712

Sweetspot

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



65.1088, 0.2477, 0.3510



91.9459, 0.2885, 0.3349



62.1463, 0.3131, 0.5130



19.4414, 0.2849, 0.3359



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.



65.1088, 0.2477, 0.3510



78.9424, 0.2411, 0.3561



41.8236, 0.2252, 0.2606



16.3038, 0.2998, 0.3319



34.4468, 0.2357, 0.3684



2.5542, 0.2339, 0.3620

Inverse Universe

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



26.7132, 0.4714, 0.3113



27.3953, 0.5232, 0.3109



38.5168, 0.4553, 0.3842



14.3972, 0.3273, 0.3261



9.5834, 0.6239, 0.3211



0.7178, 0.5918, 0.3034

Previews

White Background



This preview shows how the Yxy color 65.1063, 0.2477, 0.3510 looks on a white background.

Color Contrast Check

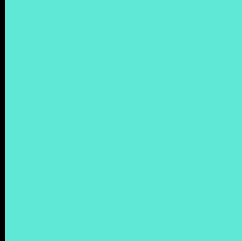
Large Text (above 18pt) WCAG AA × Fail

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 65.1063, 0.2477, 0.3510 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

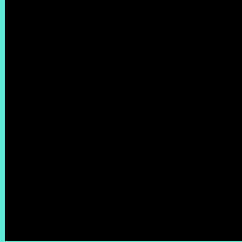
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

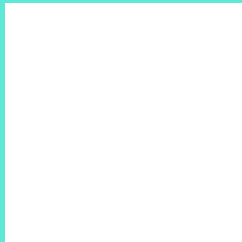
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 65.1063, 0.2477, 0.3510

Background



This preview shows how black text looks on a background with the Yxy color 65.1063, 0.2477, 0.3510.

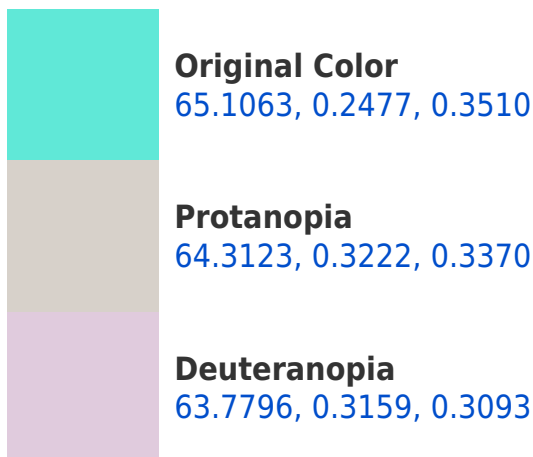


This preview shows how white text looks on a background with the Yxy color 65.1063, 0.2477, 0.3510.

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

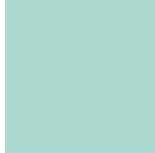
64.7801, 0.2371, 0.3054

Trichromacy



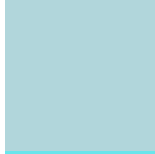
Original Color

65.1063, 0.2477, 0.3510



Protanomaly

62.9014, 0.2880, 0.3412



Deuteranomaly

62.5547, 0.2837, 0.3229



Tritanomaly

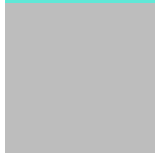
64.9798, 0.2409, 0.3212

Monochromacy



Original Color

65.1063, 0.2477, 0.3510



Achromatopsia

50.8881, 0.3127, 0.3290



Achromatomaly

54.7084, 0.2814, 0.3380

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.1063, 0.2477, 0.3510 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(96, 232, 215)` looks like.

```
.text, #text, p{  
    color:rgb(96, 232, 215)  
}
```

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(96, 232, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 232, 215) }
```

Border

The CSS property to change the border of an element to Yxy 65.1063, 0.2477, 0.3510 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(96, 232, 215) }
```

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

```
.border{ border-color:rgb(96, 232, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 232, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(96, 232, 215); -webkit-box-shadow:4px 4px 4px 4px rgb(96, 232, 215); box-shadow:4px 4px 4px 4px rgb(96, 232, 215) }
```


Background

The CSS property to change the background color of an element to Yxy 65.1063, 0.2477, 0.3510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 232, 215) }
```

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

```
.background{ background-color: rgb(96, 232,  
215) }
```

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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