

Converting Colors

$Yxy(65.6168, 0.2432, 0.3375)$

Have a look what the booklet for
Yxy(65.6168, 0.2432, 0.3375)
contains.

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Color

Yxy(65.6363, 0.2433, 0.3378)

Conversions

Conversions Part 1

Format	Color
Hex	60E8E1
RGB	96, 232, 225
RGB Percent	38%, 91%, 88%
CMY	0.6232, 0.0902, 0.1177
CMYK	0.59, 0.00, 0.03, 0.09
HSL	177°, 75%, 64%
HSV	177°, 59%, 91%
XYZ	47.2745, 65.6363, 81.3945
YIQ	190.5380, -78.8090, -31.0090

Conversions

Conversions Part 2

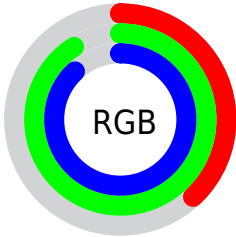
Format	Color
R_{YB}	96, 166, 232
Decimal	6351073
CIE _{Lab}	84.81, -38.37, -7.70
CIE _{LCh}	85, 39.138, 191.349
Yxy	65.6363, 0.2433, 0.3378
Android (android.graphics.Color)	4284541153 (0xFF60E8E1)
YUV	190.5380, 16.9898, -82.9098
Hunter-Lab	81.0162, -37.6204, -2.8554

Details

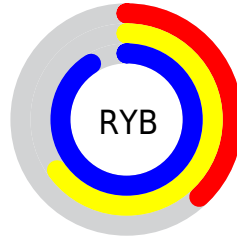
The Yxy color **65.6363, 0.2433, 0.3378** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **26.5178, 0.4850, 0.3222**, and the grayscale version is **51.7658, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.1109, 0.2601, 0.3288**, and **33.9529, 0.2275, 0.3391** is the 20% darker color. If you saturate the color by 10%, you get **64.4942, 0.2370, 0.3395**, and if you desaturate by 10%, it is **67.1551, 0.2515, 0.3361**.

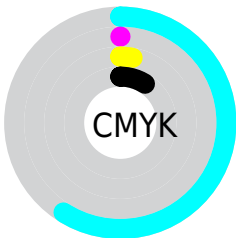
Distribution



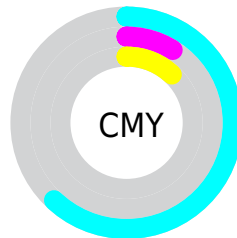
- Red (38%)
- Green (91%)
- Blue (88%)



- Red (38%)
- Yellow (65%)
- Blue (91%)



- Cyan (59%)
- Magenta (0%)
- Yellow (3%)
- Black (9%)





- Cyan (62%)
- Magenta (9%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 65.6363, 0.2433, 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 65.6363, 0.2433, 0.3378 by changing the saturation by 10% instead.


 65.6363, 0.2433,
0.3378

 65.6363, 0.2433,
0.3378

445.0750, 0.2754,
0.3344

 47.9772, 0.2360,
0.3384

 112.9642, 0.2544,
0.3367

 33.8088, 0.2271,
0.3391


 143.4017, 0.2587,
0.3363

 22.7468, 0.2158,
0.3398

 178.8676, 0.2625,
0.3359

 14.4066, 0.2012,
0.3404

 219.7462, 0.2657,
0.3355

 8.4040, 0.1817,
0.3407

266.4218, 0.2686,
0.3352

 4.3546, 0.1545,
0.3400

319.2789, 0.2711,

 1.8738, 0.1119,

0.3349

378.7018, 0.2733,
0.3346

0.3371

0.5326, 0.0000,
0.3210

0.0000, 0.0000,
0.0000

65.6363, 0.2433,
0.3378

65.6363, 0.2433,
0.3378

64.4942, 0.2370,
0.3395

67.1551, 0.2515,
0.3361

63.6877, 0.2327,
0.3413

69.0728, 0.2615,
0.3345


63.1794, 0.2302,
0.3430

71.4185, 0.2731,
0.3329

62.9107, 0.2292,
0.3447


74.2166, 0.2861,
0.3314

 62.8806, 0.2291,
0.3449

 77.4896, 0.3001,
0.3301

 81.2585, 0.3148,
0.3288

 84.8767, 0.3276,
0.3277

 84.9456, 0.3268,
0.3265

 85.0149, 0.3261,
0.3253

Harmonies

Analogous

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



65.6363, 0.2800, 0.3850



65.6363, 0.2433, 0.3378



65.6363, 0.2252, 0.2923

Triad

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



65.6363, 0.2433, 0.3378



65.6363, 0.2921, 0.2584



65.6363, 0.4035, 0.3899

Complementary

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



65.6363, 0.2433, 0.3378



26.5178, 0.4850, 0.3222

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.



65.6363, 0.4090, 0.3536



65.6363, 0.2433, 0.3378



65.6363, 0.3417, 0.2812

Square

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



65.6363, 0.2433, 0.3378



65.6363, 0.2516, 0.2511



65.6363, 0.3858, 0.3149



65.6363, 0.3729, 0.4139

Rectangle

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



65.6363, 0.2433, 0.3378



65.6363, 0.2248, 0.2701



65.6363, 0.3858, 0.3149



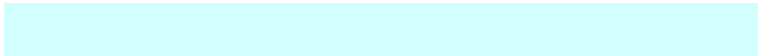
65.6363, 0.4085, 0.3786

Sweetspot

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



65.6388, 0.2433, 0.3378



92.1581, 0.2868, 0.3314



61.5705, 0.3083, 0.5156



19.4940, 0.2828, 0.3318



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.



65.6388, 0.2433, 0.3378



79.7173, 0.2361, 0.3398



38.2436, 0.2224, 0.2475



16.3229, 0.2988, 0.3302



34.9152, 0.2291, 0.3446



2.5841, 0.2284, 0.3421

Inverse Universe

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



26.5178, 0.4850, 0.3222



27.1654, 0.5402, 0.3223



41.4376, 0.4480, 0.3941



14.3800, 0.3284, 0.3278



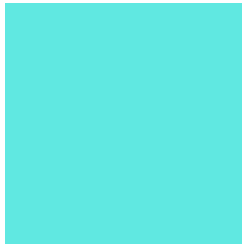
9.5444, 0.6344, 0.3269



0.7096, 0.6189, 0.3183

Previews

White Background



This preview shows how the Yxy color 65.6363, 0.2433, 0.3378 looks on a white background.

Color Contrast Check

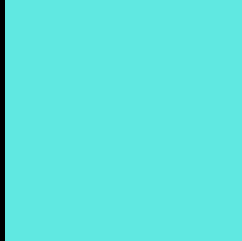
Large Text (above 18pt) WCAG AA × Fail

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 65.6363, 0.2433, 0.3378 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

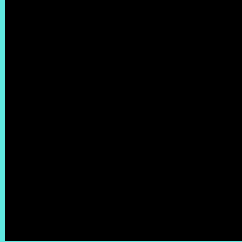
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.6363, 0.2433, 0.3378

Background



This preview shows how black text looks on a background with the Yxy color 65.6363, 0.2433, 0.3378.

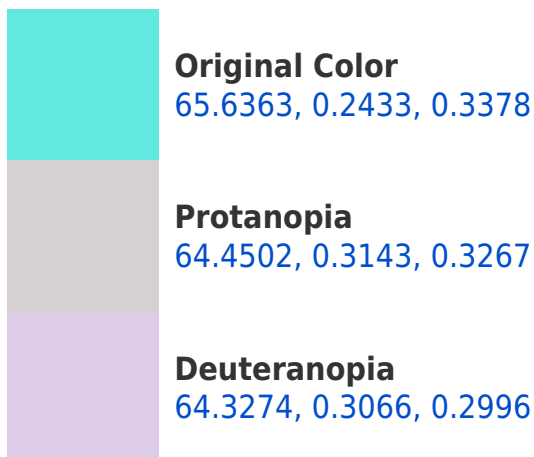


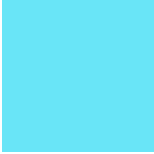
This preview shows how white text looks on a background with the Yxy color 65.6363, 0.2433, 0.3378.

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

65.7573, 0.2362, 0.3067

Trichromacy



Original Color

65.6363, 0.2433, 0.3378



Protanomaly

63.1296, 0.2813, 0.3301



Deuteranomaly

62.9804, 0.2771, 0.3112



Tritanomaly

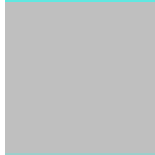
65.6504, 0.2387, 0.3176

Monochromacy



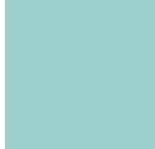
Original Color

65.6363, 0.2433, 0.3378



Achromatopsia

52.0996, 0.3127, 0.3290



Achromatomaly

55.5223, 0.2791, 0.3328

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.6363, 0.2433, 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(96, 232, 225)` looks like.

```
.text, #text, p{  
    color:rgb(96, 232, 225)  
}
```

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, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 232, 225) }
```

Border

The CSS property to change the border of an element to Yxy 65.6363, 0.2433, 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(96, 232, 225) }
```

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

```
.border{ border-color:rgb(96, 232, 225) }
```

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, 225) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 232, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 232, 225);  
box-shadow:4px 4px 4px 4px rgb(96, 232,  
225) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 65.6363, 0.2433, 0.3378$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 232, 225) }
```

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

```
.background{ background-color: rgb(96, 232,  
225) }
```

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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