

Converting Colors

$Yxy(60.2985, 0.2453, 0.3314)$

Have a look what the booklet for
Yxy(60.2985, 0.2453, 0.3314)
contains.

Yxy(60.2934, 0.2453, 0.3314)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(60.2934, 0.2453, 0.3314)

Conversions

Conversions Part 1

Format	Color
Hex	67DEDC
RGB	103, 222, 220
RGB Percent	40%, 87%, 86%
CMY	0.5964, 0.1294, 0.1371
CMYK	0.54, 0.00, 0.01, 0.13
HSL	179°, 64%, 64%
HSV	179°, 54%, 87%
XYZ	44.6288, 60.2934, 77.0133
YIQ	186.1910, -70.2820, -25.8500

Conversions

Conversions Part 2

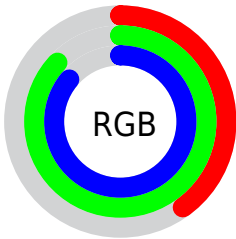
Format	Color
RYB	103, 163, 222
Decimal	6807260
CIELab	82.00, -33.78, -9.24
CIElCh	82, 35.019, 195.291
Yxy	60.2934, 0.2453, 0.3314
Android (android.graphics.Color)	4284997340 (0xFF67DEDC)
YUV	186.1910, 16.6678, -72.9585
Hunter-Lab	77.6488, -33.2923, -4.4505

Details

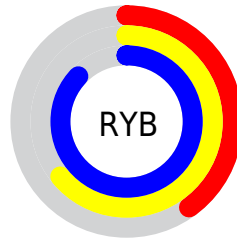
The Yxy color **60.2934, 0.2453, 0.3314** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **26.2345, 0.4679, 0.3272**, and the grayscale version is **49.1410, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.5265, 0.2619, 0.3289**, and **30.2651, 0.2289, 0.3305** is the 20% darker color. If you saturate the color by 10%, you get **59.1342, 0.2378, 0.3319**, and if you desaturate by 10%, it is **61.8057, 0.2547, 0.3309**.

Distribution



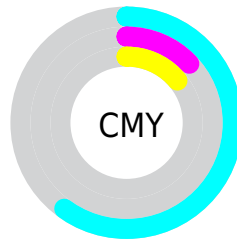
- Red (40%)
- Green (87%)
- Blue (86%)



- Red (40%)
- Yellow (64%)
- Blue (87%)



- Cyan (54%)
- Magenta (0%)
- Yellow (1%)
- Black (13%)




- Cyan (60%)
- Magenta (13%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 60.2934, 0.2453, 0.3314 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 60.2934, 0.2453, 0.3314 by changing the saturation by 10% instead.

 60.2934, 0.2453,
0.3314

 60.2934, 0.2453,
0.3314


425.6784, 0.2769,
0.3310

 43.6552, 0.2380,
0.3313


 105.2552, 0.2563,
0.3314

 30.3995, 0.2290,
0.3310


 134.3475, 0.2606,
0.3314

 20.1420, 0.2176,
0.3306


 168.3600, 0.2643,
0.3313

 12.4983, 0.2027,
0.3296

207.6770, 0.2674,
0.3313

 7.0840, 0.1824,
0.3276

252.6829, 0.2702,
0.3312

 3.5147, 0.1537,
0.3234

303.7622, 0.2727,

 1.4060, 0.0988,

0.3311

361.2992, 0.2749,
0.3311

0.3172

0.2211, 0.0000,
0.1997

0.0000, 0.0000,
0.0000

60.2934, 0.2453,
0.3314

60.2934, 0.2453,
0.3314

59.1342, 0.2378,
0.3319

61.8057, 0.2547,
0.3309

58.2928, 0.2323,
0.3325


63.6892, 0.2658,
0.3304

57.7389, 0.2286,
0.3330

65.9691, 0.2784,
0.3299


57.4329, 0.2267,
0.3335


68.6664, 0.2923,
0.3295


 57.3263, 0.2261,
0.3339

 71.8006, 0.3071,
0.3291

 75.3901, 0.3226,
0.3288

 78.8149, 0.3360,
0.3285

 78.8348, 0.3358,
0.3281

 78.8548, 0.3355,
0.3277

Harmonies

Analogous

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



60.2934, 0.2775, 0.3752



60.2934, 0.2453, 0.3314



60.2934, 0.2309, 0.2909

Triad

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



60.2934, 0.2453, 0.3314



60.2934, 0.2996, 0.2655



60.2934, 0.3939, 0.3894

Complementary

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



60.2934, 0.2453, 0.3314



26.2345, 0.4679, 0.3272

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.



60.2934, 0.4021, 0.3569



60.2934, 0.2453, 0.3314



60.2934, 0.3454, 0.2884

Square

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



60.2934, 0.2453, 0.3314



60.2934, 0.2604, 0.2567



60.2934, 0.3841, 0.3208



60.2934, 0.3635, 0.4086

Rectangle

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



60.2934, 0.2453, 0.3314



60.2934, 0.2322, 0.2716



60.2934, 0.3841, 0.3208



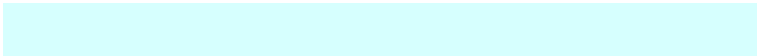
60.2934, 0.3995, 0.3795

Sweetspot

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



60.2957, 0.2453, 0.3314



93.0226, 0.2888, 0.3296



56.2234, 0.3057, 0.4999



19.7429, 0.2858, 0.3297



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.



60.2957, 0.2453, 0.3314



80.8312, 0.2373, 0.3320



34.8664, 0.2276, 0.2470



15.5682, 0.2984, 0.3294



34.0490, 0.2261, 0.3338



2.3614, 0.2258, 0.3330

Inverse Universe

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



26.2345, 0.4679, 0.3272



29.6972, 0.5189, 0.3272



41.8181, 0.4285, 0.3962



13.7042, 0.3289, 0.3287



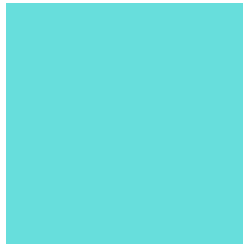
9.2307, 0.6382, 0.3289



0.6411, 0.6327, 0.3259

Previews

White Background



This preview shows how the Yxy color 60.2934, 0.2453, 0.3314 looks on a white background.

Color Contrast Check

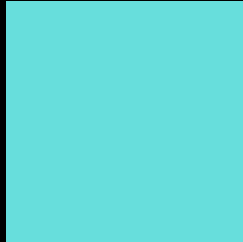
Large Text (above 18pt) WCAG AA × Fail

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 60.2934, 0.2453, 0.3314 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

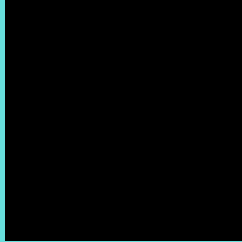
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

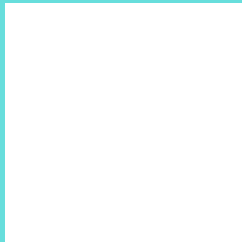
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 60.2934, 0.2453, 0.3314

Background



This preview shows how black text looks on a background with the Yxy color 60.2934, 0.2453, 0.3314.

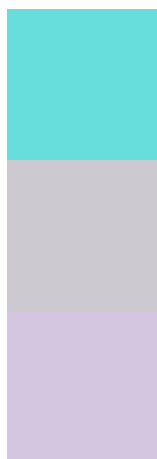


This preview shows how white text looks on a background with the Yxy color 60.2934, 0.2453, 0.3314.

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

60.2934, 0.2453, 0.3314

Protanopia

59.3065, 0.3108, 0.3208

Deuteranopia

59.3658, 0.3042, 0.2975



Tritanopia

60.0287, 0.2392, 0.3060

Trichromacy



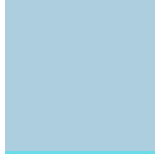
Original Color

60.2934, 0.2453, 0.3314



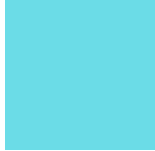
Protanomaly

58.6792, 0.2817, 0.3252



Deuteranomaly

58.2410, 0.2774, 0.3083



Tritanomaly

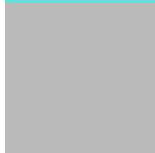
60.0817, 0.2413, 0.3147

Monochromacy



Original Color

60.2934, 0.2453, 0.3314



Achromatopsia

49.1021, 0.3127, 0.3290



Achromatomaly

51.9920, 0.2815, 0.3302

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.2934, 0.2453, 0.3314 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(103, 222, 220)` looks like.

```
.text, #text, p{  
    color:rgb(103, 222, 220)  
}
```

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(103, 222, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 222, 220) }
```

Border

The CSS property to change the border of an element to Yxy 60.2934, 0.2453, 0.3314 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(103, 222, 220) }
```

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

```
.border{ border-color:rgb(103, 222, 220) }
```

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

Here you see how a box with a 4 pixel rgb(103, 222, 220) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 222, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 222, 220);  
box-shadow:4px 4px 4px 4px rgb(103, 222,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 60.2934, 0.2453, 0.3314 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 222, 220) }
```

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

```
.background{ background-color: rgb(103,  
222, 220) }
```

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