

Converting Colors

$Yxy(59.0176, 0.2624, 0.3431)$

Have a look what the booklet for
Yxy(59.0176, 0.2624, 0.3431)
contains.

Yxy(59.2370, 0.2622, 0.3433)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(59.2370, 0.2622, 0.3433)

Conversions

Conversions Part 1

Format	Color
Hex	80DACF
RGB	128, 218, 207
RGB Percent	50%, 85%, 81%
CMY	0.4977, 0.1451, 0.1883
CMYK	0.41, 0.00, 0.05, 0.15
HSL	173°, 55%, 68%
HSV	173°, 41%, 85%
XYZ	45.2431, 59.2370, 68.0716
YIQ	189.8360, -50.1090, -22.5010

Conversions

Conversions Part 2

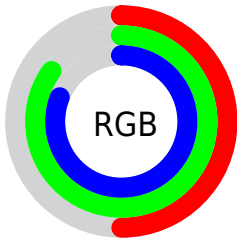
Format	Color
RYB	128, 176, 218
Decimal	8444623
CIELab	81.42, -29.52, -3.05
CIELCh	81, 29.680, 185.890
Yxy	59.2370, 0.2622, 0.3433
Android (android.graphics.Color)	4286634703 (0xFF80DACF)
YUV	189.8360, 8.4619, -54.2302
Hunter-Lab	76.9656, -29.7612, 1.4373

Details

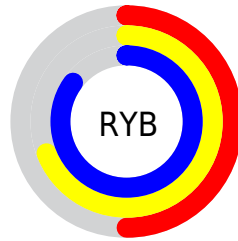
The Yxy color **59.2370, 0.2622, 0.3433** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **32.2301, 0.4048, 0.3159**, and the grayscale version is **51.3760, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.0543, 0.2726, 0.3289**, and **29.8339, 0.2492, 0.3467** is the 20% darker color. If you saturate the color by 10%, you get **57.5959, 0.2532, 0.3474**, and if you desaturate by 10%, it is **61.2482, 0.2728, 0.3394**.

Distribution



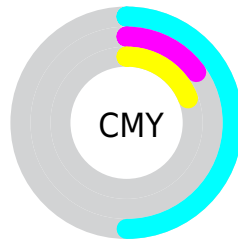
- Red (50%)
- Green (85%)
- Blue (81%)



- Red (50%)
- Yellow (69%)
- Blue (85%)



- Cyan (41%)
- Magenta (0%)
- Yellow (5%)
- Black (15%)




- Cyan (50%)
- Magenta (15%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.2370, 0.2622, 0.3433 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 59.2370, 0.2622, 0.3433 by changing the saturation by 10% instead.


 59.2370, 0.2622,
0.3433

 59.2370, 0.2622,
0.3433

421.7796, 0.2862,
0.3367


 42.8039, 0.2566,
0.3448

 103.7220, 0.2707,
0.3410

 29.7313, 0.2495,
0.3466


 132.5428, 0.2739,
0.3401

 19.6347, 0.2405,
0.3489


 166.2616, 0.2767,
0.3394

 12.1298, 0.2285,
0.3519

205.2628, 0.2791,
0.3387

 6.8321, 0.2118,
0.3558

249.9308, 0.2812,
0.3381

 3.3573, 0.1872,
0.3612

300.6500, 0.2831,

 1.3210, 0.1360,

0.3376

357.8048, 0.2847,
0.3371

0.3735

0.1574, 0.0000,
0.2905

0.0000, 0.0000,
0.0000

59.2370, 0.2622,
0.3433

59.2370, 0.2622,
0.3433

57.5959, 0.2532,
0.3474

61.2482, 0.2728,
0.3394

56.2944, 0.2460,
0.3515


63.6438, 0.2846,
0.3358

55.3086, 0.2406,
0.3558


66.4459, 0.2974,
0.3324

54.6084, 0.2373,
0.3601

69.6729, 0.3110,
0.3294


 54.1580, 0.2357,
0.3644

 73.3421, 0.3250,
0.3266

 53.9148, 0.2356,
0.3681

 76.7272, 0.3363,
0.3240

 76.8723, 0.3344,
0.3214

 77.0197, 0.3325,
0.3187

 77.1694, 0.3307,
0.3161

Harmonies

Analogous

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



59.2370, 0.2939, 0.3777



59.2370, 0.2622, 0.3433



59.2370, 0.2443, 0.3068

Triad

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



59.2370, 0.2622, 0.3433



59.2370, 0.2901, 0.2703



59.2370, 0.3866, 0.3735

Complementary

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



59.2370, 0.2622, 0.3433



32.2301, 0.4048, 0.3159

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.



59.2370, 0.3863, 0.3439



59.2370, 0.2622, 0.3433



59.2370, 0.3287, 0.2867

Square

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



59.2370, 0.2622, 0.3433



59.2370, 0.2596, 0.2673



59.2370, 0.3646, 0.3129



59.2370, 0.3662, 0.3938

Rectangle

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



59.2370, 0.2622, 0.3433



59.2370, 0.2418, 0.2872



59.2370, 0.3646, 0.3129



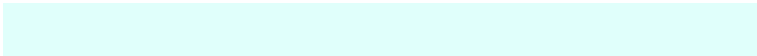
59.2370, 0.3890, 0.3642

Sweetspot

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



59.2393, 0.2622, 0.3433



94.4124, 0.2963, 0.3327



57.2816, 0.3146, 0.4529



20.0895, 0.2946, 0.3332



0.0000, 0.0000, 0.0000



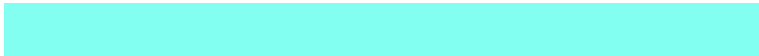
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



59.2393, 0.2622, 0.3433



82.5435, 0.2547, 0.3466



44.3655, 0.2493, 0.2842



14.8007, 0.2998, 0.3319



32.3135, 0.2354, 0.3674



2.1013, 0.2335, 0.3605

Inverse Universe

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



32.2301, 0.4048, 0.3159



39.2936, 0.4339, 0.3136



41.9716, 0.4008, 0.3692



13.0773, 0.3272, 0.3262



8.9849, 0.6240, 0.3211



0.5908, 0.5887, 0.3017

Previews

White Background



This preview shows how the Yxy color 59.2370, 0.2622, 0.3433 looks on a white background.

Color Contrast Check

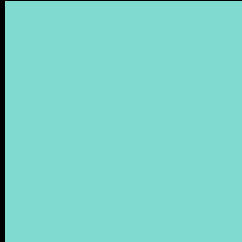
Large Text (above 18pt) WCAG AA × Fail

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 59.2370, 0.2622, 0.3433 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

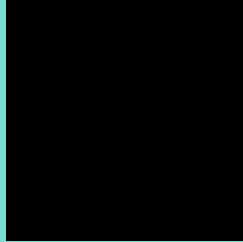
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

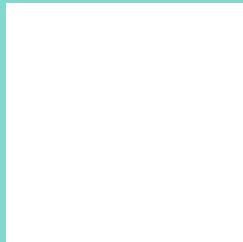
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 59.2370, 0.2622, 0.3433

Background



This preview shows how black text looks on a background with the Yxy color 59.2370, 0.2622, 0.3433.

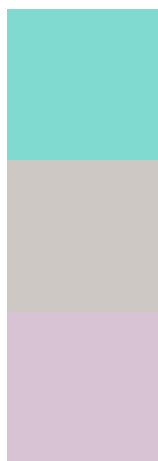


This preview shows how white text looks on a background with the Yxy color 59.2370, 0.2622, 0.3433.

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

59.2370, 0.2622, 0.3433

Protanopia

58.4616, 0.3196, 0.3326

Deuteranopia

58.3826, 0.3168, 0.3097



Tritanopia

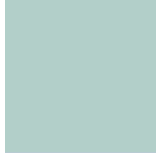
59.0702, 0.2520, 0.3063

Trichromacy



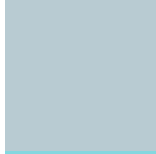
Original Color

59.2370, 0.2622, 0.3433



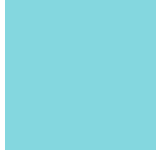
Protanomaly

58.3077, 0.2955, 0.3364



Deuteranomaly

57.5554, 0.2937, 0.3204



Tritanomaly

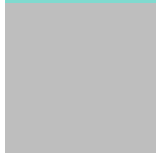
58.8341, 0.2553, 0.3186

Monochromacy



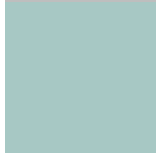
Original Color

59.2370, 0.2622, 0.3433



Achromatopsia

51.4918, 0.3127, 0.3290



Achromatomaly

53.5096, 0.2907, 0.3341

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.2370, 0.2622, 0.3433 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(128, 218, 207)` looks like.

```
.text, #text, p{  
    color:rgb(128, 218, 207)  
}
```

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(128, 218, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 218, 207) }
```

Border

The CSS property to change the border of an element to Yxy 59.2370, 0.2622, 0.3433 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(128, 218, 207) }
```

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

```
.border{ border-color:rgb(128, 218, 207) }
```

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

Here you see how a box with a 4 pixel rgb(128, 218, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 218, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 218, 207);  
box-shadow:4px 4px 4px 4px rgb(128, 218,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 59.2370, 0.2622, 0.3433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 218, 207) }
```

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

```
.background{ background-color: rgb(128,  
218, 207) }
```

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