

Converting Colors

$Yxy(56.9063, 0.2452, 0.3462)$

Have a look what the booklet for
Yxy(56.9063, 0.2452, 0.3462)
contains.

Yxy(57.1940, 0.2455, 0.3467)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(57.1940, 0.2455, 0.3467)

Conversions

Conversions Part 1

Format	Color
Hex	58DBCE
RGB	88, 219, 206
RGB Percent	35%, 86%, 81%
CMY	0.6545, 0.1412, 0.1923
CMYK	0.60, 0.00, 0.06, 0.14
HSL	174°, 65%, 60%
HSV	174°, 60%, 86%
XYZ	40.4994, 57.1940, 67.2735
YIQ	178.3490, -73.9030, -31.8150

Conversions

Conversions Part 2

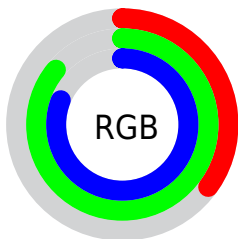
Format	Color
RYP	88, 157, 219
Decimal	5823438
CIELab	80.29, -38.79, -4.33
CIElCh	80, 39.031, 186.367
Yxy	57.1940, 0.2455, 0.3467
Android (android.graphics.Color)	4284013518 (0xFF58DBCE)
YUV	178.3490, 13.6319, -79.2361
Hunter-Lab	75.6267, -36.7570, 0.1975

Details

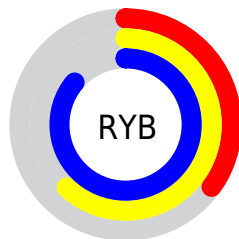
The Yxy color **57.1940, 0.2455, 0.3467** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **22.9974, 0.4804, 0.3150**, and the grayscale version is **44.6841, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.2240, 0.2562, 0.3288**, and **28.4614, 0.2304, 0.3495** is the 20% darker color. If you saturate the color by 10%, you get **56.1766, 0.2397, 0.3501**, and if you desaturate by 10%, it is **58.5383, 0.2532, 0.3433**.

Distribution



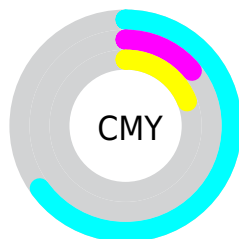
- Red (35%)
- Green (86%)
- Blue (81%)



- Red (35%)
- Yellow (62%)
- Blue (86%)



- Cyan (60%)
- Magenta (0%)
- Yellow (6%)
- Black (14%)





- Cyan (65%)
- Magenta (14%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.1940, 0.2455, 0.3467 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 57.1940, 0.2455, 0.3467 by changing the saturation by 10% instead.


 57.1940, 0.2455,
0.3467

 57.1940, 0.2455,
0.3467


414.1759, 0.2775,
0.3387


 41.1610, 0.2380,
0.3485


 100.7482, 0.2567,
0.3440


 28.4449, 0.2287,
0.3506


 129.0382, 0.2611,
0.3429

 18.6613, 0.2167,
0.3533


 162.1827, 0.2648,
0.3419

 11.4258, 0.2009,
0.3565

 200.5660, 0.2680,
0.3411

 6.3540, 0.1792,
0.3607

244.5726, 0.2708,
0.3404

 3.0615, 0.1478,
0.3656

294.5869, 0.2733,

 1.1639, 0.0457,

0.3398

350.9931, 0.2755,
0.3392

0.3925

0.0319, 0.0000,
0.0865

0.0000, 0.0000,
0.0000

57.1940, 0.2455,
0.3467

57.1940, 0.2455,
0.3467

56.1766, 0.2397,
0.3501

58.5383, 0.2532,
0.3433

55.4498, 0.2359,
0.3536


60.2289, 0.2626,
0.3401


54.9805, 0.2339,
0.3570


62.2914, 0.2736,
0.3370


54.7078, 0.2335,
0.3604


64.7473, 0.2858,
0.3341

 54.7023, 0.2335,
0.3604

 67.6161, 0.2991,
0.3314

 70.9165, 0.3130,
0.3289

 74.6655, 0.3274,
0.3267

 77.2721, 0.3359,
0.3246

 77.3908, 0.3343,
0.3225

Harmonies

Analogous

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



57.1940, 0.2862, 0.3946



57.1940, 0.2455, 0.3467



57.1940, 0.2233, 0.2975

Triad

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



57.1940, 0.2455, 0.3467



57.1940, 0.2832, 0.2532



57.1940, 0.4104, 0.3864

Complementary

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



57.1940, 0.2455, 0.3467



22.9974, 0.4804, 0.3150

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.



57.1940, 0.4112, 0.3476



57.1940, 0.2455, 0.3467



57.1940, 0.3342, 0.2744

Square

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



57.1940, 0.2455, 0.3467



57.1940, 0.2436, 0.2485



57.1940, 0.3825, 0.3078



57.1940, 0.3820, 0.4148

Rectangle

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



57.1940, 0.2455, 0.3467



57.1940, 0.2205, 0.2724



57.1940, 0.3825, 0.3078



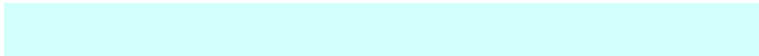
57.1940, 0.4140, 0.3741

Sweetspot

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



57.1962, 0.2455, 0.3467



92.0190, 0.2879, 0.3336



54.1460, 0.3105, 0.5175



19.4595, 0.2842, 0.3345



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.



57.1962, 0.2455, 0.3467



78.9727, 0.2384, 0.3511



34.6988, 0.2225, 0.2526



14.8061, 0.2995, 0.3313



32.4456, 0.2333, 0.3599



2.1086, 0.2318, 0.3544

Inverse Universe

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



22.9974, 0.4804, 0.3150



26.5503, 0.5384, 0.3152



34.6562, 0.4547, 0.3899



13.0725, 0.3276, 0.3267



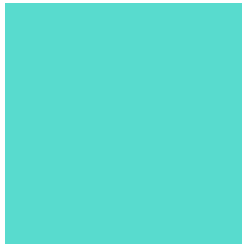
8.9712, 0.6279, 0.3233



0.5885, 0.5975, 0.3065

Previews

White Background



This preview shows how the Yxy color 57.1940, 0.2455, 0.3467 looks on a white background.

Color Contrast Check

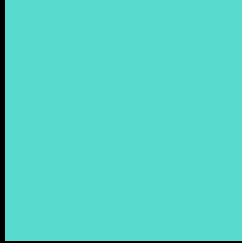
Large Text (above 18pt) WCAG AA × Fail

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 57.1940, 0.2455, 0.3467 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

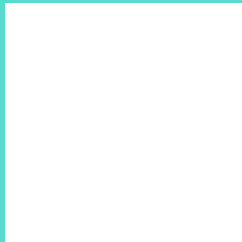
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 57.1940, 0.2455, 0.3467

Background



This preview shows how black text looks on a background with the Yxy color 57.1940, 0.2455, 0.3467.

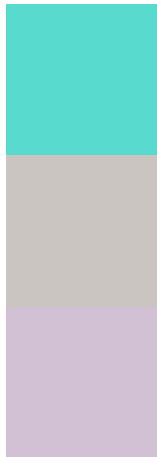


This preview shows how white text looks on a background with the Yxy color 57.1940, 0.2455, 0.3467.

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

57.1940, 0.2455, 0.3467

Protanopia

56.3393, 0.3197, 0.3338

Deuteranopia

56.1544, 0.3122, 0.3059



Tritanopia

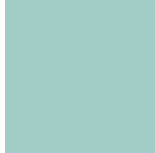
57.0797, 0.2365, 0.3067

Trichromacy



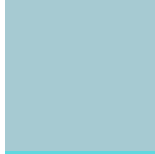
Original Color

57.1940, 0.2455, 0.3467



Protanomaly

55.3169, 0.2854, 0.3380



Deuteranomaly

55.0012, 0.2810, 0.3188



Tritanomaly

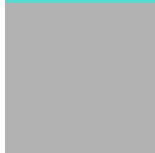
56.8723, 0.2393, 0.3195

Monochromacy



Original Color

57.1940, 0.2455, 0.3467



Achromatopsia

44.5201, 0.3127, 0.3290



Achromatomaly

47.7905, 0.2798, 0.3358

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.1940, 0.2455, 0.3467 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(88, 219, 206)` looks like.

```
.text, #text, p{  
    color:rgb(88, 219, 206)  
}
```

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(88, 219, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 219, 206) }
```

Border

The CSS property to change the border of an element to Yxy 57.1940, 0.2455, 0.3467 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(88, 219, 206) }
```

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

```
.border{ border-color:rgb(88, 219, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 219, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 219, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 219, 206);  
box-shadow:4px 4px 4px 4px rgb(88, 219,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 57.1940, 0.2455, 0.3467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 219, 206) }
```

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

```
.background{ background-color: rgb(88, 219,  
206) }
```

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