

Converting Colors

$Y_{xy}(52.3997, 0.2276, 0.3052)$

Have a look what the booklet for
Yxy(52.3997, 0.2276, 0.3052)
contains.

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Color

Yxy(52.3940, 0.2278, 0.3056)

Conversions

Conversions Part 1

Format	Color
Hex	46D1E2
RGB	70, 209, 226
RGB Percent	27%, 82%, 89%
CMY	0.7252, 0.1804, 0.1138
CMYK	0.69, 0.08, 0.00, 0.11
HSL	187°, 73%, 58%
HSV	187°, 69%, 89%
XYZ	39.0555, 52.3940, 79.9969
YIQ	169.3770, -88.3010, -24.1810

Conversions

Conversions Part 2

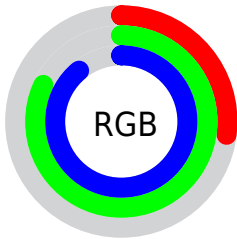
Format	Color
RYB	70, 144, 226
Decimal	4641250
CIELab	77.52, -31.36, -19.23
CIELCh	78, 36.792, 211.519
Yxy	52.3940, 0.2278, 0.3056
Android (android.graphics.Color)	4282831330 (0xFF46D1E2)
YUV	169.3770, 27.9151, -87.1536
Hunter-Lab	72.3837, -30.3597, -14.8574

Details

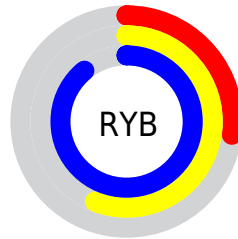
The Yxy color **52.3940, 0.2278, 0.3056** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **23.4357, 0.5296, 0.3459**, and the grayscale version is **39.7741, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.0584, 0.2508, 0.3288**, and **26.0515, 0.2160, 0.2977** is the 20% darker color. If you saturate the color by 10%, you get **50.5079, 0.2218, 0.3018**, and if you desaturate by 10%, it is **54.6188, 0.2357, 0.3094**.

Distribution



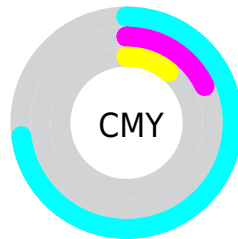
- Red (27%)
- Green (82%)
- Blue (89%)



- Red (27%)
- Yellow (56%)
- Blue (89%)



- Cyan (69%)
- Magenta (8%)
- Yellow (0%)
- Black (11%)




- Cyan (73%)
- Magenta (18%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.3940, 0.2278, 0.3056 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 52.3940, 0.2278, 0.3056 by changing the saturation by 10% instead.


 52.3940, 0.2278,
0.3056

 52.3940, 0.2278,
0.3056


395.9558, 0.2680,
0.3183

 37.3192, 0.2185,
0.3022


 93.7120, 0.2419,
0.3104

 25.4547, 0.2070,
0.2977


 120.7241, 0.2473,
0.3122

 16.4162, 0.1924,
0.2916


 152.4840, 0.2520,
0.3136

 9.8191, 0.1735,
0.2829

 189.3763, 0.2560,
0.3149

 5.2792, 0.1480,
0.2697

231.7851, 0.2596,
0.3159

 2.4120, 0.1131,
0.2479

280.0951, 0.2627,

 0.8320, 0.0067,

0.3168

0.2210

334.6905, 0.2655,
0.3176

0.0000, 0.0000,
0.0000

52.3940, 0.2278,
0.3056

52.3940, 0.2278,
0.3056

50.5079, 0.2218,
0.3018

54.6188, 0.2357,
0.3094

48.9170, 0.2177,
0.2980

57.2083, 0.2455,
0.3131


47.5647, 0.2152,
0.2943


60.1924, 0.2570,
0.3168

47.4343, 0.2150,
0.2939

63.5963, 0.2699,
0.3202

67.4429, 0.2840,
0.3235

 71.7536, 0.2989,
0.3265

 76.5482, 0.3143,
0.3293

 81.8454, 0.3299,
0.3318

 83.9922, 0.3326,
0.3342

Harmonies

Analogous

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



52.3940, 0.2528, 0.3544



52.3940, 0.2278, 0.3056



52.3940, 0.2238, 0.2691

Triad

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



52.3940, 0.2278, 0.3056



52.3940, 0.3253, 0.2716



52.3940, 0.3860, 0.4091

Complementary

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



52.3940, 0.2278, 0.3056



23.4357, 0.5296, 0.3459

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.



52.3940, 0.4097, 0.3793



52.3940, 0.2278, 0.3056



52.3940, 0.3738, 0.3026

Square

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



52.3940, 0.2278, 0.3056



52.3940, 0.2768, 0.2532



52.3940, 0.4056, 0.3408



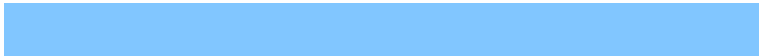
52.3940, 0.3435, 0.4184

Rectangle

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



52.3940, 0.2278, 0.3056



52.3940, 0.2330, 0.2553



52.3940, 0.4056, 0.3408



52.3940, 0.3966, 0.4008

Sweetspot

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



52.3959, 0.2278, 0.3056



87.5536, 0.2809, 0.3228



56.3575, 0.2970, 0.5332



18.4340, 0.2769, 0.3219



0.0000, 0.0000, 0.0000



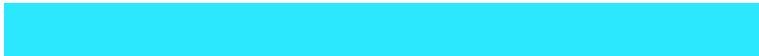
21.4041, 0.3127, 0.3290

Same Dimension

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



52.3959, 0.2278, 0.3056



65.4202, 0.2197, 0.3000



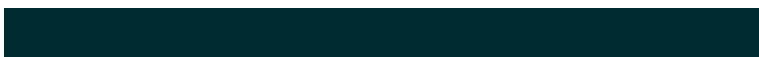
23.4163, 0.1995, 0.1901



15.3038, 0.2982, 0.3264



27.1719, 0.2151, 0.2945



1.9574, 0.2167, 0.3003

Inverse Universe

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



25.1593, 0.3388, 0.1891



28.8361, 0.3448, 0.1754



43.0253, 0.4549, 0.4285



13.9086, 0.3154, 0.3084



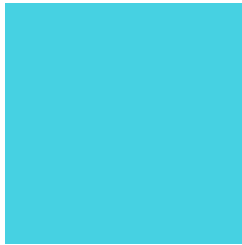
11.6511, 0.3503, 0.1703



0.8151, 0.3452, 0.1675

Previews

White Background



This preview shows how the Yxy color 52.3940, 0.2278, 0.3056 looks on a white background.

Color Contrast Check

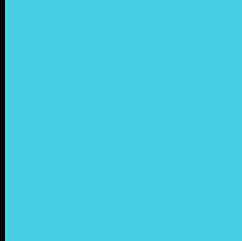
Large Text (above 18pt) WCAG AA × Fail

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 52.3940, 0.2278, 0.3056 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

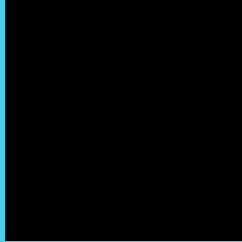
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 52.3940, 0.2278, 0.3056

Background



This preview shows how black text looks on a background with the Yxy color 52.3940, 0.2278, 0.3056.

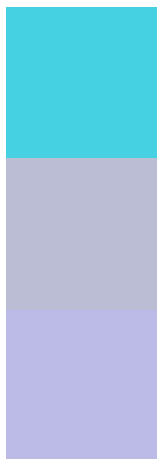


This preview shows how white text looks on a background with the Yxy color 52.3940, 0.2278, 0.3056.

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

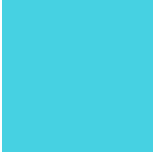
52.3940, 0.2278, 0.3056

Protanopia

51.7641, 0.2935, 0.2997

Deuteranopia

51.5787, 0.2818, 0.2757



Tritanopia

52.3940, 0.2278, 0.3056

Trichromacy



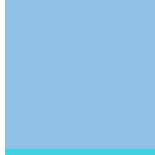
Original Color

52.3940, 0.2278, 0.3056



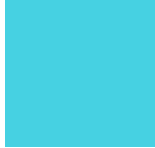
Protanomaly

50.4711, 0.2611, 0.3002



Deuteranomaly

50.2605, 0.2551, 0.2842



Tritanomaly

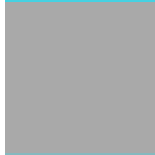
52.3940, 0.2278, 0.3056

Monochromacy



Original Color

52.3940, 0.2278, 0.3056



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

42.9852, 0.2691, 0.3203

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.3940, 0.2278, 0.3056 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(70, 209, 226)` looks like.

```
.text, #text, p{  
    color:rgb(70, 209, 226)  
}
```

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(70, 209, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 209, 226) }
```

Border

The CSS property to change the border of an element to Yxy 52.3940, 0.2278, 0.3056 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(70, 209, 226) }
```

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

```
.border{ border-color:rgb(70, 209, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 209, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 209, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 209, 226);  
box-shadow:4px 4px 4px 4px rgb(70, 209,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 52.3940, 0.2278, 0.3056 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 209, 226) }
```

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

```
.background{ background-color: rgb(70, 209,  
226) }
```

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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