

Converting Colors

$Y_{xy}(39.3444, 0.2258, 0.2956)$

Have a look what the booklet for
Yxy(39.3444, 0.2258, 0.2956)
contains.

Yxy(39.3647, 0.2257, 0.2955)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(39.3647, 0.2257, 0.2955)

Conversions

Conversions Part 1

Format	Color
Hex	40B7CD
RGB	64, 183, 205
RGB Percent	25%, 72%, 80%
CMY	0.7492, 0.2823, 0.1960
CMYK	0.69, 0.11, 0.00, 0.20
HSL	189°, 59%, 53%
HSV	189°, 69%, 80%
XYZ	30.0664, 39.3647, 63.7828
YIQ	149.9270, -77.9860, -18.3860

Conversions

Conversions Part 2

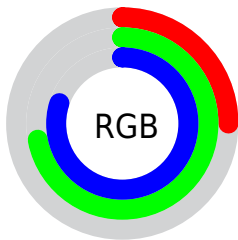
Format	Color
RYB	64, 129, 205
Decimal	4241357
CIELab	69.01, -25.76, -20.77
CIElCh	69, 33.088, 218.876
Yxy	39.3647, 0.2257, 0.2955
Android (android.graphics.Color)	4282431437 (0xFF40B7CD)
YUV	149.9270, 27.1510, -75.3580
Hunter-Lab	62.7413, -24.2580, -16.3553

Details

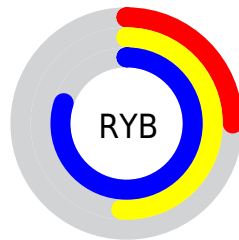
The Yxy color **39.3647, 0.2257, 0.2955** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted azure. A complement of this color would be **20.0020, 0.5201, 0.3535**, and the grayscale version is **30.3699, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.6201, 0.2442, 0.3102**, and **18.1996, 0.2125, 0.2851** is the 20% darker color. If you saturate the color by 10%, you get **37.4961, 0.2190, 0.2899**, and if you desaturate by 10%, it is **41.5186, 0.2343, 0.3010**.

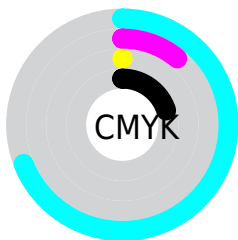
Distribution



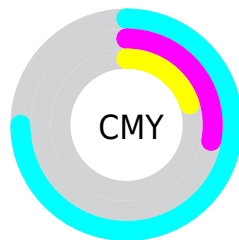
- Red (25%)
- Green (72%)
- Blue (80%)



- Red (25%)
- Yellow (51%)
- Blue (80%)



- Cyan (69%)
- Magenta (11%)
- Yellow (0%)
- Black (20%)





- Cyan (75%)
- Magenta (28%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.3647, 0.2257, 0.2955 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 39.3647, 0.2257, 0.2955 by changing the saturation by 10% instead.


 39.3647, 0.2257,
0.2955


 39.3647, 0.2257,
0.2955

343.4386, 0.2688,
0.3139

 27.0436, 0.2152,
0.2904


 74.1951, 0.2412,
0.3025

 17.6059, 0.2019,
0.2837

 97.4732, 0.2471,
0.3051


 10.6674, 0.1847,
0.2743


 125.1724, 0.2521,
0.3072

 5.8437, 0.1615,
0.2606

 157.6770, 0.2564,
0.3089

 2.7503, 0.1295,
0.2389

 195.3716, 0.2601,
0.3105

 1.0028, 0.0656,
0.2058

238.6404, 0.2634,

 0.0000, 0.0000,

0.3118

0.0000

287.8680, 0.2662,
0.3129

■ 39.3647, 0.2257,
0.2955

■ 39.3647, 0.2257,
0.2955

■ 37.4961, 0.2190,
0.2899

■ 41.5186, 0.2343,
0.3010

■ 35.8791, 0.2141,
0.2844

■ 43.9786, 0.2448,
0.3064

■ 34.4677, 0.2110,
0.2789

■ 46.7682, 0.2568,
0.3117

■ 34.3052, 0.2106,
0.2782

■ 49.9072, 0.2700,
0.3166

■ 53.4139, 0.2843,
0.3212

■ 57.3051, 0.2992,
0.3255

■ 61.5965, 0.3146,
0.3294

■ 66.3031, 0.3300,
0.3330

■ 71.4387, 0.3453,
0.3361

Harmonies

Analogous

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



39.3647, 0.2455, 0.3419



39.3647, 0.2257, 0.2955



39.3647, 0.2270, 0.2637

Triad

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



39.3647, 0.2257, 0.2955



39.3647, 0.3376, 0.2787



39.3647, 0.3763, 0.4129

Complementary

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



39.3647, 0.2257, 0.2955



20.0020, 0.5201, 0.3535

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.



39.3647, 0.4052, 0.3873



39.3647, 0.2257, 0.2955



39.3647, 0.3830, 0.3118

Square

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



39.3647, 0.2257, 0.2955



39.3647, 0.2882, 0.2570



39.3647, 0.4083, 0.3504



39.3647, 0.3314, 0.4153

Rectangle

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



39.3647, 0.2257, 0.2955



39.3647, 0.2393, 0.2531



39.3647, 0.4083, 0.3504



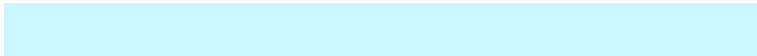
39.3647, 0.3883, 0.4063

Sweetspot

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



39.3661, 0.2257, 0.2955



86.0034, 0.2807, 0.3201



45.4182, 0.2940, 0.5218



18.0604, 0.2767, 0.3188



0.0000, 0.0000, 0.0000



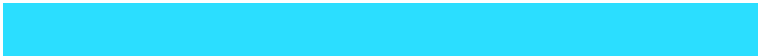
21.4041, 0.3127, 0.3290

Same Dimension

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



39.3661, 0.2257, 0.2955



59.9678, 0.2162, 0.2870



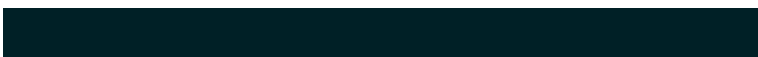
17.3804, 0.1975, 0.1800



12.4172, 0.2983, 0.3253



21.4660, 0.2108, 0.2790



1.1898, 0.2138, 0.2898

Inverse Universe

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



20.0625, 0.3472, 0.1959



28.2856, 0.3563, 0.1822



37.0100, 0.4467, 0.4358



11.3725, 0.3161, 0.3097



9.9700, 0.3644, 0.1781



0.5227, 0.3546, 0.1727

Previews

White Background



This preview shows how the Yxy color 39.3647, 0.2257, 0.2955 looks on a white background.

Color Contrast Check

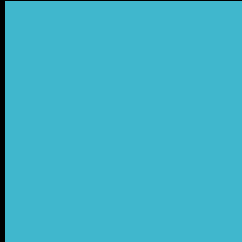
Large Text (above 18pt) WCAG AA × Fail

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 39.3647, 0.2257, 0.2955 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

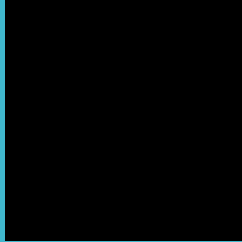
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.3647, 0.2257, 0.2955

Background



This preview shows how black text looks on a background with the Yxy color 39.3647, 0.2257, 0.2955.



This preview shows how white text looks on a background with the Yxy color 39.3647, 0.2257, 0.2955.

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

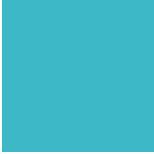
39.3647, 0.2257, 0.2955

Protanopia

38.8041, 0.2872, 0.2920

Deuteranopia

38.8358, 0.2751, 0.2692



Tritanopia

39.3652, 0.2276, 0.3057

Trichromacy



Original Color

39.3647, 0.2257, 0.2955

Protanomaly

37.9719, 0.2576, 0.2925

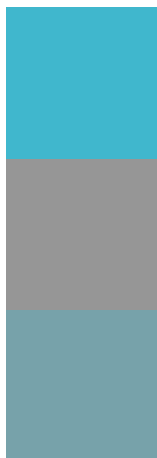
Deuteranomaly

38.1155, 0.2506, 0.2764

Tritanomaly

39.4901, 0.2270, 0.3028

Monochromacy



Original Color

39.3647, 0.2257, 0.2955

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

32.6649, 0.2689, 0.3162

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.3647, 0.2257, 0.2955 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(64, 183, 205)` looks like.

```
.text, #text, p{  
    color:rgb(64, 183, 205)  
}
```

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(64, 183, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 183, 205) }
```

Border

The CSS property to change the border of an element to Yxy 39.3647, 0.2257, 0.2955 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(64, 183, 205) }
```

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

```
.border{ border-color:rgb(64, 183, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 183, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 183, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 183, 205);  
box-shadow:4px 4px 4px 4px rgb(64, 183,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 39.3647, 0.2257, 0.2955 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 183, 205) }
```

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

```
.background{ background-color: rgb(64, 183,  
205) }
```

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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