

Converting Colors

$Yxy(39.3880, 0.2038, 0.2537)$

Have a look what the booklet for
Yxy(39.3880, 0.2038, 0.2537)
contains.

Yxy(39.4541, 0.2037, 0.2534)	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(39.4541, 0.2037, 0.2534)

Conversions

Conversions Part 1

Format	Color
Hex	00B6EB
RGB	0, 182, 235
RGB Percent	0%, 71%, 92%
CMY	1.0000, 0.2862, 0.0785
CMYK	1.00, 0.23, 0.00, 0.08
HSL	194°, 100%, 46%
HSV	194°, 100%, 92%
XYZ	31.7159, 39.4541, 84.5289
YIQ	133.6240, -125.4850, -22.1010

Conversions

Conversions Part 2

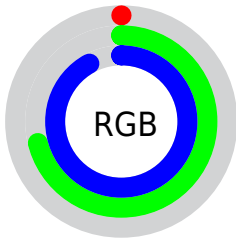
Format	Color
RYB	0, 103, 235
Decimal	46827
CIELab	69.08, -19.92, -37.13
CIElCh	69, 42.131, 241.788
Yxy	39.4541, 0.2037, 0.2534
Android (android.graphics.Color)	4278236907 (0xFF00B6EB)
YUV	133.6240, 49.9784, -117.1882
Hunter-Lab	62.8125, -19.7920, -35.8198

Details

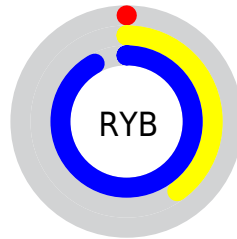
The Yxy color **39.4541, 0.2037, 0.2534** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle washed azure. A complement of this color would be **20.2032, 0.6151, 0.3498**, and the grayscale version is **23.5458, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.6203, 0.2367, 0.3086**, and **18.9552, 0.1988, 0.2357** is the 20% darker color. If you saturate the color by 10%, you get **39.4590, 0.2037, 0.2534**, and if you desaturate by 10%, it is **41.8582, 0.2075, 0.2617**.

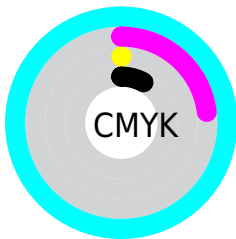
Distribution



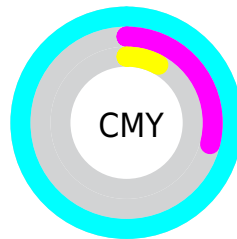
- Red (0%)
- Green (71%)
- Blue (92%)



- Red (0%)
- Yellow (40%)
- Blue (92%)



- Cyan (100%)
- Magenta (23%)
- Yellow (0%)
- Black (8%)




- Cyan (100%)
- Magenta (29%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.4541, 0.2037, 0.2534 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 39.4541, 0.2037, 0.2534 by changing the saturation by 10% instead.


 39.4541, 0.2037,
0.2534


 39.4541, 0.2037,
0.2534


343.8173, 0.2565,
0.2925

 27.1132, 0.1913,
0.2436


 74.3315, 0.2223,
0.2677

 17.6582, 0.1760,
0.2310


 97.6368, 0.2295,
0.2731


 10.7049, 0.1568,
0.2145


 125.3656, 0.2357,
0.2776

 5.8688, 0.1321,
0.1923

 157.9025, 0.2410,
0.2814

 2.7654, 0.1004,
0.1613

 195.6316, 0.2456,
0.2848

 1.0105, 0.0549,
0.1183

238.9376, 0.2497,

 0.0000, 0.0000,

0.2877

0.0000

288.2047, 0.2533,
0.2902

■ 39.4541, 0.2037,
0.2534

■ 39.4541, 0.2037,
0.2534

■ 39.4590, 0.2037,
0.2534

■ 41.8582, 0.2075,
0.2617

■ 44.5685, 0.2130,
0.2700

■ 47.6628, 0.2204,
0.2784

■ 51.1842, 0.2298,
0.2867

■ 55.1692, 0.2409,
0.2949

■ 59.6495, 0.2536,
0.3027

■ 64.6540, 0.2674,
0.3100

■ 70.2088, 0.2821,
0.3169

■ 76.3382, 0.2973,
0.3232

Harmonies

Analogous

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



39.4541, 0.2078, 0.2976



39.4541, 0.2037, 0.2534



39.4541, 0.2244, 0.2335

Triad

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



39.4541, 0.2037, 0.2534



39.4541, 0.3900, 0.2961



39.4541, 0.3490, 0.4428

Complementary

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



39.4541, 0.2037, 0.2534



20.2032, 0.6151, 0.3498

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.



39.4541, 0.4027, 0.4283



39.4541, 0.2037, 0.2534



39.4541, 0.4301, 0.3422

Square

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



39.4541, 0.2037, 0.2534



39.4541, 0.3285, 0.2588



39.4541, 0.4338, 0.3895



39.4541, 0.2884, 0.4179

Rectangle

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



39.4541, 0.2037, 0.2534



39.4541, 0.2511, 0.2331



39.4541, 0.4338, 0.3895



39.4541, 0.3685, 0.4418

Sweetspot

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



39.4590, 0.2037, 0.2534



77.7508, 0.2672, 0.3099



59.6464, 0.2942, 0.5792



16.0796, 0.2612, 0.3069



0.0000, 0.0000, 0.0000



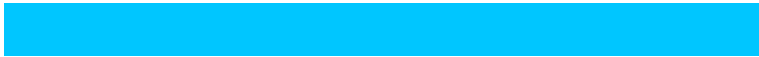
21.4041, 0.3127, 0.3290

Same Dimension

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



39.4590, 0.2037, 0.2534



47.3878, 0.2036, 0.2531



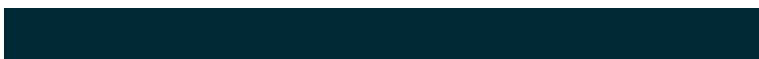
9.9617, 0.1593, 0.0935



16.5124, 0.2981, 0.3236



22.1638, 0.2041, 0.2547



1.8813, 0.2073, 0.2662

Inverse Universe

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



21.0376, 0.3889, 0.1916



25.3150, 0.3892, 0.1918



45.8150, 0.4812, 0.4561



15.2523, 0.3172, 0.3109



11.7303, 0.3875, 0.1909



0.9353, 0.3764, 0.1847

Previews

White Background



This preview shows how the Yxy color 39.4541, 0.2037, 0.2534 looks on a white background.

Color Contrast Check

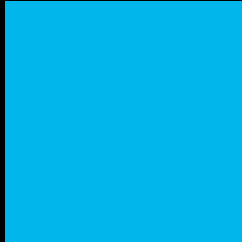
Large Text (above 18pt) WCAG AA × Fail

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 39.4541, 0.2037, 0.2534 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

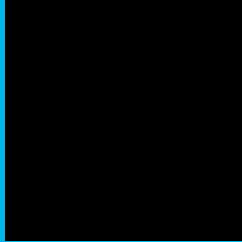
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.4541, 0.2037, 0.2534

Background



This preview shows how black text looks on a background with the Yxy color 39.4541, 0.2037, 0.2534.



This preview shows how white text looks on a background with the Yxy color 39.4541, 0.2037, 0.2534.

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

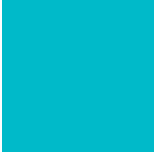
39.4541, 0.2037, 0.2534

Protanopia

38.8596, 0.2588, 0.2540

Deuteranopia

39.1672, 0.2415, 0.2353



Tritanopia

39.3349, 0.2182, 0.3054

Trichromacy



Original Color

39.4541, 0.2037, 0.2534



Protanomaly

37.2133, 0.2244, 0.2503



Deuteranomaly

37.8518, 0.2169, 0.2386



Tritanomaly

39.5020, 0.2129, 0.2865

Monochromacy



Original Color

39.4541, 0.2037, 0.2534



Achromatopsia

23.8398, 0.3127, 0.3290



Achromatomaly

27.0048, 0.2416, 0.2944

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.4541, 0.2037, 0.2534 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(0, 182, 235)` looks like.

```
.text, #text, p{  
    color:rgb(0, 182, 235)  
}
```

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(0, 182, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 182, 235) }
```

Border

The CSS property to change the border of an element to Yxy 39.4541, 0.2037, 0.2534 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(0, 182, 235) }
```

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

```
.border{ border-color:rgb(0, 182, 235) }
```

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

Here you see how a box with a 4 pixel rgb(0, 182, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 182, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 182, 235);  
box-shadow:4px 4px 4px 4px rgb(0, 182,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 39.4541, 0.2037, 0.2534 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 182, 235) }
```

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

```
.background{ background-color: rgb(0, 182,  
235) }
```

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