

Converting Colors

$Yxy(39.5871, 0.2017, 0.2437)$

Have a look what the booklet for
Yxy(39.5871, 0.2017, 0.2437)
contains.

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Color

Yxy(39.5441, 0.2017, 0.2438)

Conversions

Conversions Part 1

Format	Color
Hex	0DB5F2
RGB	13, 181, 242
RGB Percent	5%, 71%, 95%
CMY	0.9507, 0.2902, 0.0508
CMYK	0.95, 0.25, 0.00, 0.05
HSL	196°, 90%, 50%
HSV	196°, 95%, 95%
XYZ	32.7155, 39.5441, 89.9393
YIQ	137.7220, -119.7090, -16.6450

Conversions

Conversions Part 2

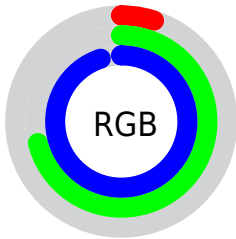
Format	Color
RYB	13, 110, 242
Decimal	898546
CIELab	69.14, -16.59, -40.86
CIELCh	69, 44.095, 247.901
Yxy	39.5441, 0.2017, 0.2438
Android (android.graphics.Color)	4279088626 (0xFF0DB5F2)
YUV	137.7220, 51.4091, -109.3812
Hunter-Lab	62.8841, -17.1823, -40.7800

Details

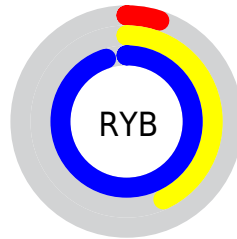
The Yxy color **39.5441, 0.2017, 0.2438** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle saturated azure. A complement of this color would be **23.7544, 0.5949, 0.3612**, and the grayscale version is **25.0899, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.2331, 0.2374, 0.3074**, and **18.9835, 0.1955, 0.2238** is the 20% darker color. If you saturate the color by 10%, you get **38.1206, 0.1996, 0.2387**, and if you desaturate by 10%, it is **42.5308, 0.2068, 0.2538**.

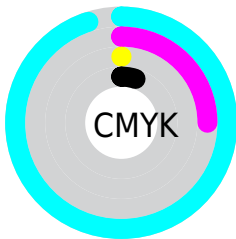
Distribution



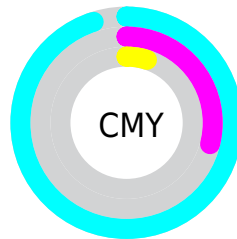
- Red (5%)
- Green (71%)
- Blue (95%)



- Red (5%)
- Yellow (43%)
- Blue (95%)



- Cyan (95%)
- Magenta (25%)
- Yellow (0%)
- Black (5%)





- Cyan (95%)
- Magenta (29%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.5441, 0.2017, 0.2438 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 39.5441, 0.2017, 0.2438 by changing the saturation by 10% instead.


 39.5441, 0.2017,
0.2438


 39.5441, 0.2017,
0.2438


344.1983, 0.2553,
0.2872


 27.1833, 0.1892,
0.2331


 74.4688, 0.2206,
0.2595

 17.7109, 0.1739,
0.2196


 97.8014, 0.2278,
0.2654


 10.7426, 0.1546,
0.2021


 125.5601, 0.2341,
0.2705

 5.8941, 0.1302,
0.1789

 158.1293, 0.2395,
0.2748

 2.7808, 0.0990,
0.1475

 195.8933, 0.2442,
0.2785

 1.0184, 0.0574,
0.1050

239.2365, 0.2484,

 0.0000, 0.0000,

0.2817

0.0000

288.5434, 0.2520,
0.2846

■ 39.5441, 0.2017,
0.2438

■ 39.5441, 0.2017,
0.2438

■ 38.1206, 0.1996,
0.2387

■ 42.5308, 0.2068,
0.2538

■ 45.9342, 0.2138,
0.2639

■ 49.8078, 0.2228,
0.2739

■ 54.1945, 0.2337,
0.2838

■ 59.1313, 0.2462,
0.2933

■ 64.6512, 0.2600,
0.3024

■ 70.7842, 0.2746,
0.3108

■ 77.5579, 0.2898,
0.3187

■ 84.9981, 0.3053,
0.3258

Harmonies

Analogous

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



39.5441, 0.2006, 0.2845



39.5441, 0.2017, 0.2438



39.5441, 0.2281, 0.2285

Triad

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



39.5441, 0.2017, 0.2438



39.5441, 0.4046, 0.3038



39.5441, 0.3373, 0.4467

Complementary

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



39.5441, 0.2017, 0.2438



23.7544, 0.5949, 0.3612

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.



39.5441, 0.3963, 0.4383



39.5441, 0.2017, 0.2438



39.5441, 0.4395, 0.3524

Square

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



39.5441, 0.2017, 0.2438



39.5441, 0.3428, 0.2628



39.5441, 0.4351, 0.4009



39.5441, 0.2749, 0.4120

Rectangle

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



39.5441, 0.2017, 0.2438



39.5441, 0.2589, 0.2311



39.5441, 0.4351, 0.4009



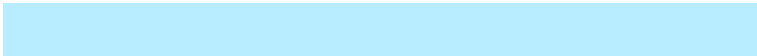
39.5441, 0.3582, 0.4483

Sweetspot

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



39.5454, 0.2017, 0.2438



77.3583, 0.2697, 0.3081



64.0484, 0.2910, 0.5644



15.9212, 0.2634, 0.3045



0.0000, 0.0000, 0.0000



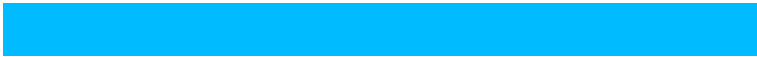
21.4041, 0.3127, 0.3290

Same Dimension

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



39.5454, 0.2017, 0.2438



42.8381, 0.1996, 0.2384



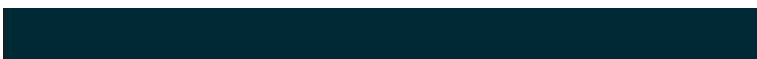
10.8668, 0.1606, 0.0950



17.1762, 0.2981, 0.3226



20.7082, 0.2001, 0.2403



1.8849, 0.2037, 0.2534

Inverse Universe

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



22.4966, 0.3982, 0.1986



24.8557, 0.4039, 0.1999



53.4699, 0.4682, 0.4638



15.9555, 0.3179, 0.3118



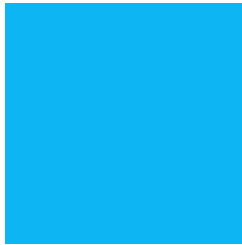
11.8839, 0.4020, 0.1988



1.0050, 0.3889, 0.1916

Previews

White Background



This preview shows how the Yxy color 39.5441, 0.2017, 0.2438 looks on a white background.

Color Contrast Check

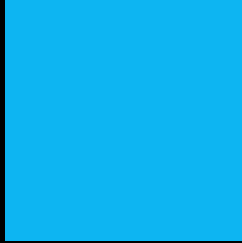
Large Text (above 18pt) WCAG AA × Fail

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 39.5441, 0.2017, 0.2438 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

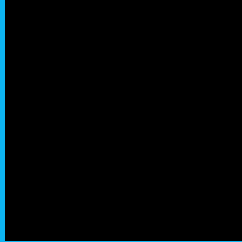
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.5441, 0.2017, 0.2438

Background



This preview shows how black text looks on a background with the Yxy color 39.5441, 0.2017, 0.2438.

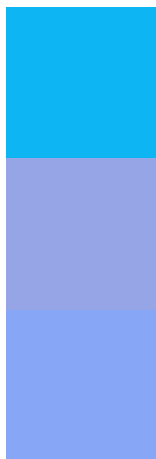


This preview shows how white text looks on a background with the Yxy color 39.5441, 0.2017, 0.2438.

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

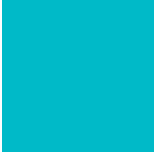
39.5441, 0.2017, 0.2438

Protanopia

39.0130, 0.2517, 0.2447

Deuteranopia

39.0159, 0.2347, 0.2283



Tritanopia

39.2879, 0.2186, 0.3069

Trichromacy



Original Color

39.5441, 0.2017, 0.2438



Protanomaly

37.7190, 0.2221, 0.2424



Deuteranomaly

37.8311, 0.2141, 0.2307



Tritanomaly

39.2195, 0.2120, 0.2822

Monochromacy



Original Color

39.5441, 0.2017, 0.2438



Achromatopsia

25.4152, 0.3127, 0.3290



Achromatomaly

28.5211, 0.2438, 0.2921

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.5441, 0.2017, 0.2438 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(13, 181, 242)` looks like.

```
.text, #text, p{  
  color:rgb(13, 181, 242)  
}
```

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(13, 181, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 181, 242) }
```

Border

The CSS property to change the border of an element to Yxy 39.5441, 0.2017, 0.2438 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(13, 181, 242) }
```

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

```
.border{ border-color:rgb(13, 181, 242) }
```

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

Here you see how a box with a 4 pixel rgb(13, 181, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 181, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 181, 242);  
box-shadow:4px 4px 4px 4px rgb(13, 181,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 39.5441, 0.2017, 0.2438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 181, 242) }
```

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

```
.background{ background-color: rgb(13, 181,  
242) }
```

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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