

Converting Colors

$Yxy(35.4215, 0.1997, 0.2373)$

Have a look what the booklet for
Yxy(35.4215, 0.1997, 0.2373)
contains.

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Color

Yxy(35.5548, 0.1999, 0.2382)

Conversions

Conversions Part 1

Format	Color
Hex	07ACEB
RGB	7, 172, 235
RGB Percent	3%, 67%, 92%
CMY	0.9716, 0.3254, 0.0785
CMYK	0.97, 0.27, 0.00, 0.08
HSL	197°, 94%, 47%
HSV	197°, 97%, 92%
XYZ	29.8380, 35.5548, 83.8717
YIQ	129.8470, -118.5630, -15.3870

Conversions

Conversions Part 2

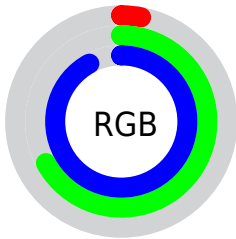
Format	Color
RYB	7, 103, 235
Decimal	503019
CIELab	66.18, -14.40, -41.65
CIELCh	66, 44.068, 250.929
Yxy	35.5548, 0.1999, 0.2382
Android (android.graphics.Color)	4278693099 (0xFF07ACEB)
YUV	129.8470, 51.8404, -107.7368
Hunter-Lab	59.6278, -15.0267, -41.6570

Details

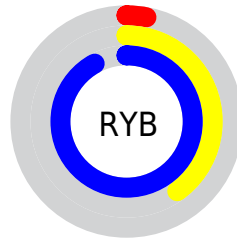
The Yxy color **35.5548, 0.1999, 0.2382** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **22.0798, 0.5971, 0.3612**, and the grayscale version is **22.1410, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.4094, 0.2337, 0.2950**, and **16.6876, 0.1938, 0.2178** is the 20% darker color. If you saturate the color by 10%, you get **34.7534, 0.1986, 0.2350**, and if you desaturate by 10%, it is **38.3304, 0.2047, 0.2485**.

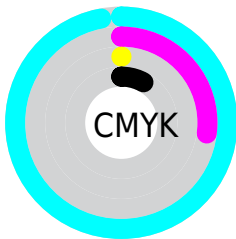
Distribution



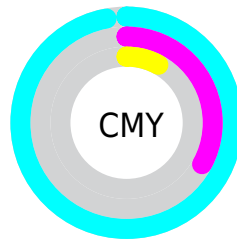
- Red (3%)
- Green (67%)
- Blue (92%)



- Red (3%)
- Yellow (40%)
- Blue (92%)



- Cyan (97%)
- Magenta (27%)
- Yellow (0%)
- Black (8%)




- Cyan (97%)
- Magenta (33%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.5548, 0.1999, 0.2382 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 35.5548, 0.1999, 0.2382 by changing the saturation by 10% instead.


 35.5548, 0.1999,
0.2382


 35.5548, 0.1999,
0.2382


327.0105, 0.2553,
0.2848

 24.0906, 0.1868,
0.2266


 68.3444, 0.2195,
0.2552

 15.4008, 0.1706,
0.2119


 90.4385, 0.2271,
0.2616


 9.1012, 0.1502,
0.1927


 116.8446, 0.2335,
0.2670

 4.8072, 0.1241,
0.1673

 147.9473, 0.2391,
0.2716

 2.1346, 0.0909,
0.1329

 184.1308, 0.2439,
0.2756

 0.6840, 0.0377,
0.0863

225.7796, 0.2482,

 0.0000, 0.0000,

0.2791

0.0000

273.2780, 0.2519,
0.2821

■ 35.5548, 0.1999,
0.2382

■ 35.5548, 0.1999,
0.2382

■ 34.7534, 0.1986,
0.2350

■ 38.3304, 0.2047,
0.2485

■ 41.4904, 0.2115,
0.2590

■ 45.0887, 0.2203,
0.2695

■ 49.1668, 0.2310,
0.2799

■ 53.7602, 0.2433,
0.2899

■ 58.9005, 0.2569,
0.2994

■ 64.6162, 0.2715,
0.3083

■ 70.9337, 0.2866,
0.3166

■ 77.8773, 0.3020,
0.3242

Harmonies

Analogous

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



35.5548, 0.1960, 0.2773



35.5548, 0.1999, 0.2382



35.5548, 0.2295, 0.2252

Triad

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



35.5548, 0.1999, 0.2382



35.5548, 0.4132, 0.3077



35.5548, 0.3312, 0.4496

Complementary

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



35.5548, 0.1999, 0.2382



22.0798, 0.5971, 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.



35.5548, 0.3933, 0.4445



35.5548, 0.1999, 0.2382



35.5548, 0.4454, 0.3579

Square

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



35.5548, 0.1999, 0.2382



35.5548, 0.3508, 0.2644



35.5548, 0.4364, 0.4074



35.5548, 0.2674, 0.4094

Rectangle

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



35.5548, 0.1999, 0.2382



35.5548, 0.2627, 0.2295



35.5548, 0.4364, 0.4074



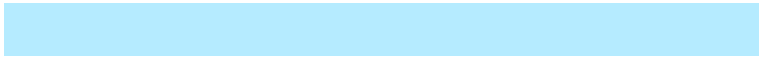
35.5548, 0.3529, 0.4528

Sweetspot

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



35.5560, 0.1999, 0.2382



76.2125, 0.2682, 0.3064



59.8690, 0.2906, 0.5643



15.6774, 0.2619, 0.3026



0.0000, 0.0000, 0.0000



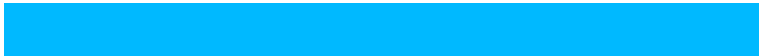
21.4041, 0.3127, 0.3290

Same Dimension

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



35.5560, 0.1999, 0.2382



41.7105, 0.1985, 0.2346



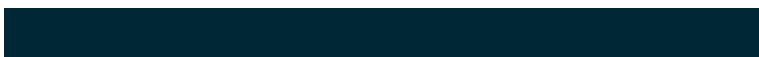
9.3151, 0.1584, 0.0883



16.3768, 0.2981, 0.3223



19.5702, 0.1991, 0.2367



1.6965, 0.2031, 0.2510

Inverse Universe

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



20.7952, 0.4040, 0.2011



24.7418, 0.4079, 0.2020



51.0651, 0.4659, 0.4666



15.2386, 0.3180, 0.3121



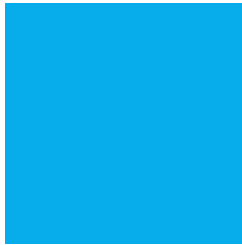
11.4684, 0.4057, 0.2009



0.9167, 0.3912, 0.1929

Previews

White Background



This preview shows how the Yxy color 35.5548, 0.1999, 0.2382 looks on a white background.

Color Contrast Check

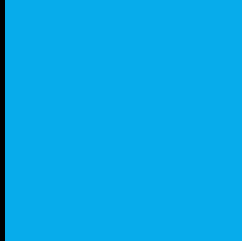
Large Text (above 18pt) WCAG AA × Fail

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 35.5548, 0.1999, 0.2382 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

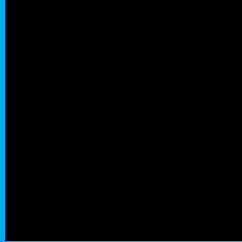
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.5548, 0.1999, 0.2382

Background



This preview shows how black text looks on a background with the Yxy color 35.5548, 0.1999, 0.2382.

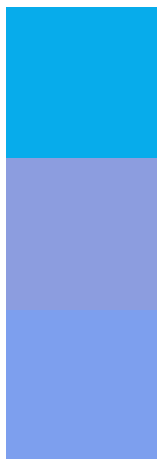


This preview shows how white text looks on a background with the Yxy color 35.5548, 0.1999, 0.2382.

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

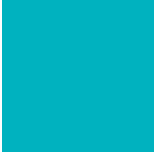
35.5484, 0.1999, 0.2381

Protanopia

35.0171, 0.2481, 0.2401

Deuteranopia

35.3293, 0.2305, 0.2244



Tritanopia

35.6024, 0.2188, 0.3076

Trichromacy



Original Color

35.5484, 0.1999, 0.2381

Protanomaly

33.6620, 0.2191, 0.2364

Deuteranomaly

34.4592, 0.2114, 0.2273

Tritanomaly

35.5750, 0.2114, 0.2804

Monochromacy



Original Color

35.5484, 0.1999, 0.2381

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

25.0092, 0.2415, 0.2884

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.5548, 0.1999, 0.2382 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(7, 172, 235)` looks like.

```
.text, #text, p{  
    color:rgb(7, 172, 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(7, 172, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 172, 235) }
```

Border

The CSS property to change the border of an element to Yxy 35.5548, 0.1999, 0.2382 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(7, 172, 235) }
```

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

```
.border{ border-color:rgb(7, 172, 235) }
```

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

Here you see how a box with a 4 pixel rgb(7, 172, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 172, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(7, 172, 235);  
box-shadow:4px 4px 4px 4px rgb(7, 172,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 35.5548, 0.1999, 0.2382 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 172, 235) }
```

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

```
.background{ background-color: rgb(7, 172,  
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](#).

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