

Converting Colors

$Y_{xy}(35.5457, 0.2039, 0.2540)$

Have a look what the booklet for
Yxy(35.5457, 0.2039, 0.2540)
contains.

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Color

$\text{Yxy}(35.6539, 0.2040, 0.2544)$

Conversions

Conversions Part 1

Format	Color
Hex	00AEE0
RGB	0, 174, 224
RGB Percent	0%, 68%, 88%
CMY	1.0000, 0.3176, 0.1215
CMYK	1.00, 0.22, 0.00, 0.12
HSL	193°, 100%, 44%
HSV	193°, 100%, 88%
XYZ	28.5904, 35.6539, 75.9047
YIQ	127.6740, -119.7540, -21.3380

Conversions

Conversions Part 2

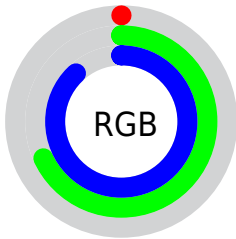
Format	Color
RYB	0, 98, 224
Decimal	44768
CIELab	66.25, -19.53, -35.52
CIELCh	66, 40.534, 241.194
Yxy	35.6539, 0.2040, 0.2544
Android (android.graphics.Color)	4278234848 (0xFF00AEE0)
YUV	127.6740, 47.4887, -111.9701
Hunter-Lab	59.7109, -19.0258, -33.5720

Details

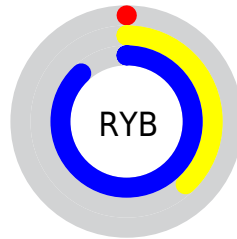
The Yxy color **35.6539, 0.2040, 0.2544** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **18.1315, 0.6151, 0.3498**, and the grayscale version is **21.3328, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.8778, 0.2335, 0.2987**, and **16.7836, 0.1991, 0.2366** is the 20% darker color. If you saturate the color by 10%, you get **35.6558, 0.2040, 0.2544**, and if you desaturate by 10%, it is **37.7995, 0.2078, 0.2626**.

Distribution



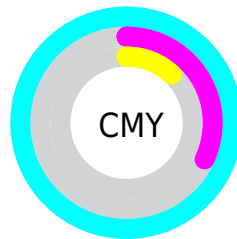
- Red (0%)
- Green (68%)
- Blue (88%)



- Red (0%)
- Yellow (38%)
- Blue (88%)



- Cyan (100%)
- Magenta (22%)
- Yellow (0%)
- Black (12%)




- Cyan (100%)
- Magenta (32%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.6539, 0.2040, 0.2544 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 35.6539, 0.2040, 0.2544 by changing the saturation by 10% instead.


 35.6539, 0.2040,
0.2544


 35.6539, 0.2040,
0.2544


327.4453, 0.2576,
0.2936


 24.1670, 0.1912,
0.2443


 68.4975, 0.2231,
0.2690


 15.4576, 0.1752,
0.2312


 90.6231, 0.2304,
0.2743


 9.1411, 0.1549,
0.2139


 117.0636, 0.2367,
0.2789

 4.8334, 0.1286,
0.1901

 148.2036, 0.2420,
0.2827

 2.1498, 0.0944,
0.1564

 184.4273, 0.2467,
0.2860

 0.6924, 0.0285,
0.1088

226.1192, 0.2508,

 0.0000, 0.0000,

0.2889

0.0000

273.6638, 0.2544,
0.2914

■ 35.6539, 0.2040,
0.2544

■ 35.6539, 0.2040,
0.2544

■ 35.6558, 0.2040,
0.2544

■ 37.7995, 0.2078,
0.2626

■ 40.2190, 0.2133,
0.2708

■ 42.9809, 0.2207,
0.2791

■ 46.1232, 0.2300,
0.2873

■ 49.6783, 0.2411,
0.2953

■ 53.6745, 0.2537,
0.3030

■ 58.1374, 0.2675,
0.3103

■ 63.0901, 0.2822,
0.3171

■ 68.5544, 0.2973,
0.3233

Harmonies

Analogous

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



35.6539, 0.2086, 0.2989



35.6539, 0.2040, 0.2544



35.6539, 0.2241, 0.2341

Triad

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



35.6539, 0.2040, 0.2544



35.6539, 0.3886, 0.2955



35.6539, 0.3500, 0.4423

Complementary

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



35.6539, 0.2040, 0.2544



18.1315, 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.



35.6539, 0.4032, 0.4273



35.6539, 0.2040, 0.2544



35.6539, 0.4291, 0.3412

Square

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



35.6539, 0.2040, 0.2544



35.6539, 0.3271, 0.2585



35.6539, 0.4336, 0.3884



35.6539, 0.2897, 0.4183

Rectangle

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



35.6539, 0.2040, 0.2544



35.6539, 0.2505, 0.2334



35.6539, 0.4336, 0.3884



35.6539, 0.3694, 0.4411

Sweetspot

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



35.6558, 0.2040, 0.2544



77.8477, 0.2672, 0.3101



53.5363, 0.2941, 0.5788



16.1029, 0.2612, 0.3071



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.



35.6558, 0.2040, 0.2544



47.6411, 0.2039, 0.2538



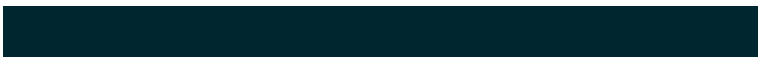
8.9899, 0.1594, 0.0939



15.0261, 0.2982, 0.3236



20.9302, 0.2044, 0.2557



1.5801, 0.2079, 0.2683

Inverse Universe

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



18.9055, 0.3879, 0.1910



25.3405, 0.3884, 0.1913



41.1796, 0.4810, 0.4563



13.8805, 0.3172, 0.3110



11.0210, 0.3866, 0.1904



0.7770, 0.3745, 0.1837

Previews

White Background



This preview shows how the Yxy color 35.6539, 0.2040, 0.2544 looks on a white background.

Color Contrast Check

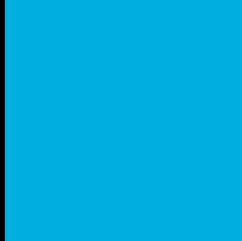
Large Text (above 18pt) WCAG AA × Fail

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 35.6539, 0.2040, 0.2544 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

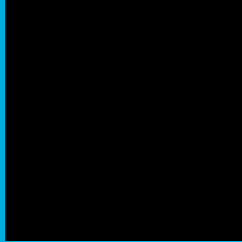
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.6539, 0.2040, 0.2544

Background



This preview shows how black text looks on a background with the Yxy color 35.6539, 0.2040, 0.2544.



This preview shows how white text looks on a background with the Yxy color 35.6539, 0.2040, 0.2544.

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

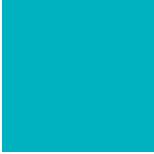
35.6539, 0.2040, 0.2544

Protanopia

35.2269, 0.2589, 0.2549

Deuteranopia

35.2061, 0.2419, 0.2352



Tritanopia

35.6466, 0.2183, 0.3060

Trichromacy



Original Color

35.6539, 0.2040, 0.2544



Protanomaly

33.7841, 0.2249, 0.2526



Deuteranomaly

34.0754, 0.2171, 0.2388



Tritanomaly

35.8039, 0.2129, 0.2863

Monochromacy



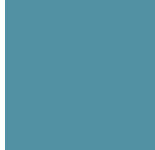
Original Color

35.6539, 0.2040, 0.2544



Achromatopsia

21.5861, 0.3127, 0.3290



Achromatomaly

24.6445, 0.2422, 0.2965

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.6539, 0.2040, 0.2544 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, 174, 224)` looks like.

```
.text, #text, p{  
    color:rgb(0, 174, 224)  
}
```

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, 174, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 174, 224) }
```

Border

The CSS property to change the border of an element to Yxy 35.6539, 0.2040, 0.2544 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, 174, 224) }
```

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

```
.border{ border-color:rgb(0, 174, 224) }
```

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

Here you see how a box with a 4 pixel rgb(0, 174, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 174, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 174, 224);  
box-shadow:4px 4px 4px 4px rgb(0, 174,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 35.6539, 0.2040, 0.2544 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 174, 224) }
```

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

```
.background{ background-color: rgb(0, 174,  
224) }
```

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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