

Converting Colors

$Y_{xy}(35.0867, 0.2039, 0.2534)$

Have a look what the booklet for
Yxy(35.0867, 0.2039, 0.2534)
contains.

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Color

Yxy(35.2342, 0.2041, 0.2541)

Conversions

Conversions Part 1

Format	Color
Hex	03ADDF
RGB	3, 173, 223
RGB Percent	1%, 68%, 87%
CMY	0.9881, 0.3216, 0.1255
CMYK	0.99, 0.22, 0.00, 0.13
HSL	194°, 97%, 44%
HSV	194°, 99%, 87%
XYZ	28.3011, 35.2342, 75.1275
YIQ	127.8700, -117.3700, -20.4900

Conversions

Conversions Part 2

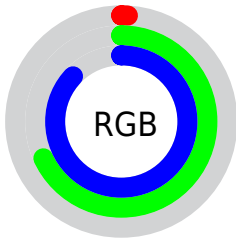
Format	Color
RYB	3, 99, 223
Decimal	241119
CIELab	65.93, -19.27, -35.47
CIELCh	66, 40.366, 241.488
Yxy	35.2342, 0.2041, 0.2541
Android (android.graphics.Color)	4278431199 (0xFF03ADDF)
YUV	127.8700, 46.8991, -109.5110
Hunter-Lab	59.3584, -18.7715, -33.4900

Details

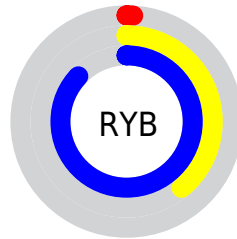
The Yxy color **35.2342, 0.2041, 0.2541** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **18.2455, 0.6112, 0.3515**, and the grayscale version is **21.4077, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.3228, 0.2332, 0.2974**, and **16.5019, 0.1989, 0.2361** is the 20% darker color. If you saturate the color by 10%, you get **34.9527, 0.2036, 0.2530**, and if you desaturate by 10%, it is **37.4081, 0.2081, 0.2624**.

Distribution



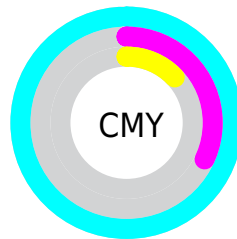
- Red (1%)
- Green (68%)
- Blue (87%)



- Red (1%)
- Yellow (39%)
- Blue (87%)



- Cyan (99%)
- Magenta (22%)
- Yellow (0%)
- Black (13%)





- Cyan (99%)
- Magenta (32%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.2342, 0.2041, 0.2541 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 35.2342, 0.2041, 0.2541 by changing the saturation by 10% instead.


 35.2342, 0.2041,
0.2541


 35.2342, 0.2041,
0.2541


325.6009, 0.2578,
0.2936


 23.8433, 0.1912,
0.2439


 67.8484, 0.2233,
0.2687


 15.2174, 0.1752,
0.2308


 89.8406, 0.2306,
0.2742


 8.9721, 0.1547,
0.2133


 116.1353, 0.2368,
0.2787

 4.7230, 0.1283,
0.1892

 147.1169, 0.2422,
0.2826

 2.0857, 0.0938,
0.1552

 183.1699, 0.2469,
0.2859

 0.6566, 0.0249,
0.1065

224.6786, 0.2510,

 0.0000, 0.0000,

0.2888

0.0000

272.0275, 0.2546,
0.2913

■ 35.2342, 0.2041,
0.2541

■ 35.2342, 0.2041,
0.2541

■ 34.9527, 0.2036,
0.2530

■ 37.4081, 0.2081,
0.2624

■ 39.8726, 0.2139,
0.2709

■ 42.6840, 0.2216,
0.2793

■ 45.8792, 0.2313,
0.2876

■ 49.4895, 0.2427,
0.2958

■ 53.5426, 0.2555,
0.3036

■ 58.0633, 0.2694,
0.3109

■ 63.0745, 0.2842,
0.3177

■ 68.5974, 0.2994,
0.3240

Harmonies

Analogous

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



35.2342, 0.2085, 0.2984



35.2342, 0.2041, 0.2541



35.2342, 0.2244, 0.2340

Triad

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



35.2342, 0.2041, 0.2541



35.2342, 0.3891, 0.2959



35.2342, 0.3494, 0.4422

Complementary

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



35.2342, 0.2041, 0.2541



18.2455, 0.6112, 0.3515

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.



35.2342, 0.4028, 0.4275



35.2342, 0.2041, 0.2541



35.2342, 0.4293, 0.3417

Square

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



35.2342, 0.2041, 0.2541



35.2342, 0.3277, 0.2588



35.2342, 0.4334, 0.3888



35.2342, 0.2891, 0.4179

Rectangle

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



35.2342, 0.2041, 0.2541



35.2342, 0.2509, 0.2334



35.2342, 0.4334, 0.3888



35.2342, 0.3688, 0.4412

Sweetspot

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



35.2354, 0.2041, 0.2541



77.6661, 0.2672, 0.3098



53.0364, 0.2938, 0.5767



16.0592, 0.2612, 0.3067



0.0000, 0.0000, 0.0000



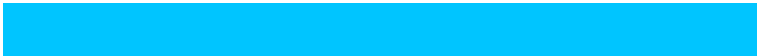
21.4041, 0.3127, 0.3290

Same Dimension

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



35.2354, 0.2041, 0.2541



47.1667, 0.2034, 0.2524



9.1692, 0.1604, 0.0963



15.0162, 0.2982, 0.3235



20.7273, 0.2040, 0.2542



1.5676, 0.2075, 0.2671

Inverse Universe

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



18.7724, 0.3881, 0.1917



25.2927, 0.3899, 0.1921



41.0746, 0.4796, 0.4566



13.8795, 0.3172, 0.3111



11.0005, 0.3880, 0.1911



0.7757, 0.3756, 0.1843

Previews

White Background



This preview shows how the Yxy color 35.2342, 0.2041, 0.2541 looks on a white background.

Color Contrast Check

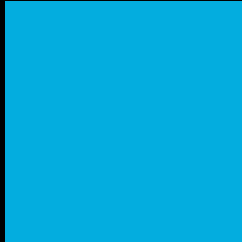
Large Text (above 18pt) WCAG AA × Fail

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 35.2342, 0.2041, 0.2541 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

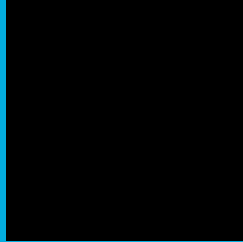
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.2342, 0.2041, 0.2541

Background



This preview shows how black text looks on a background with the Yxy color 35.2342, 0.2041, 0.2541.



This preview shows how white text looks on a background with the Yxy color 35.2342, 0.2041, 0.2541.

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

35.2342, 0.2041, 0.2541

Protanopia

34.7464, 0.2587, 0.2545

Deuteranopia

35.0681, 0.2418, 0.2361

Trichromacy



Original Color

35.2342, 0.2041, 0.2541

Protanomaly

33.4278, 0.2255, 0.2523

Deuteranomaly

33.6638, 0.2172, 0.2385

Monochromacy



Original Color

35.2342, 0.2041, 0.2541

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

24.4299, 0.2431, 0.2947

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.2342, 0.2041, 0.2541 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(3, 173, 223)` looks like.

```
.text, #text, p{  
    color:rgb(3, 173, 223)  
}
```

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(3, 173, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 173, 223) }
```

Border

The CSS property to change the border of an element to Yxy 35.2342, 0.2041, 0.2541 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(3, 173, 223) }
```

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

```
.border{ border-color:rgb(3, 173, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 173, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 173, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 173, 223);  
box-shadow:4px 4px 4px 4px rgb(3, 173,  
223) }
```

Background

The CSS property to change the background color of an element to Yxy 35.2342, 0.2041, 0.2541 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 173, 223) }
```

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

```
.background{ background-color: rgb(3, 173,  
223) }
```

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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