

Converting Colors

$Yxy(35.2927, 0.1999, 0.2338)$

Have a look what the booklet for
Yxy(35.2927, 0.1999, 0.2338)
contains.

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Color

Yxy(35.4344, 0.2001, 0.2346)

Conversions

Conversions Part 1

Format	Color
Hex	18ABED
RGB	24, 171, 237
RGB Percent	9%, 67%, 93%
CMY	0.9068, 0.3294, 0.0705
CMYK	0.90, 0.28, 0.00, 0.07
HSL	199°, 86%, 51%
HSV	199°, 90%, 93%
XYZ	30.2235, 35.4344, 85.3839
YIQ	134.5710, -108.7980, -10.6380

Conversions

Conversions Part 2

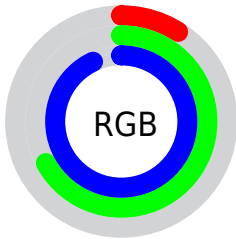
Format	Color
RYB	24, 111, 237
Decimal	1616877
CIELab	66.09, -12.54, -42.90
CIELCh	66, 44.700, 253.706
Yxy	35.4344, 0.2001, 0.2346
Android (android.graphics.Color)	4279806957 (0xFF18ABED)
YUV	134.5710, 50.4975, -96.9708
Hunter-Lab	59.5268, -13.5423, -43.3755

Details

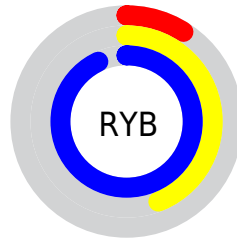
The Yxy color **35.4344, 0.2001, 0.2346** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **25.3489, 0.5714, 0.3740**, and the grayscale version is **23.8770, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.1234, 0.2349, 0.2939**, and **16.5298, 0.1925, 0.2131** is the 20% darker color. If you saturate the color by 10%, you get **32.5491, 0.1953, 0.2230**, and if you desaturate by 10%, it is **38.7093, 0.2067, 0.2464**.

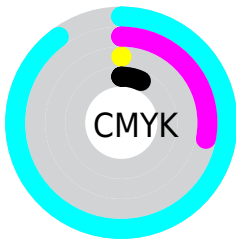
Distribution



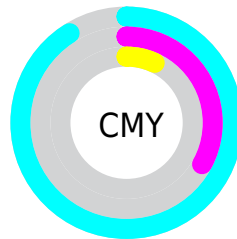
- Red (9%)
- Green (67%)
- Blue (93%)



- Red (9%)
- Yellow (44%)
- Blue (93%)



- Cyan (90%)
- Magenta (28%)
- Yellow (0%)
- Black (7%)



- Cyan (91%)
- Magenta (33%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.4344, 0.2001, 0.2346 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 35.4344, 0.2001, 0.2346 by changing the saturation by 10% instead.


 35.4344, 0.2001,
0.2346


 35.4344, 0.2001,
0.2346


326.4816, 0.2554,
0.2828

 23.9977, 0.1871,
0.2227


 68.1582, 0.2197,
0.2521

 15.3319, 0.1709,
0.2076


 90.2140, 0.2272,
0.2587

 9.0527, 0.1505,
0.1882


 116.5784, 0.2337,
0.2643

 4.7755, 0.1246,
0.1625

 147.6357, 0.2392,
0.2691

 2.1162, 0.0915,
0.1280

 183.7702, 0.2440,
0.2732

 0.6737, 0.0406,
0.0818

225.3665, 0.2483,

 0.0000, 0.0000,

0.2768

0.0000

272.8088, 0.2521,
0.2800

■ 35.4344, 0.2001,
0.2346

■ 35.4344, 0.2001,
0.2346

■ 32.5491, 0.1953,
0.2230

■ 38.7093, 0.2067,
0.2464

■ 32.5416, 0.1953,
0.2229

■ 42.4456, 0.2154,
0.2583

■ 46.6901, 0.2260,
0.2701

■ 51.4813, 0.2383,
0.2816

■ 56.8534, 0.2520,
0.2925

■ 62.8369, 0.2666,
0.3028

■ 69.4601, 0.2818,
0.3124

■ 76.7489, 0.2973,
0.3211

■ 84.7280, 0.3128,
0.3290

Harmonies

Analogous

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



35.4344, 0.1937, 0.2716



35.4344, 0.2001, 0.2346



35.4344, 0.2324, 0.2238

Triad

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



35.4344, 0.2001, 0.2346



35.4344, 0.4194, 0.3118



35.4344, 0.3251, 0.4498

Complementary

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



35.4344, 0.2001, 0.2346



25.3489, 0.5714, 0.3740

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.



35.4344, 0.3890, 0.4484



35.4344, 0.2001, 0.2346



35.4344, 0.4483, 0.3629

Square

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



35.4344, 0.2001, 0.2346



35.4344, 0.3578, 0.2671



35.4344, 0.4354, 0.4126



35.4344, 0.2612, 0.4050

Rectangle

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



35.4344, 0.2001, 0.2346



35.4344, 0.2673, 0.2295



35.4344, 0.4354, 0.4126



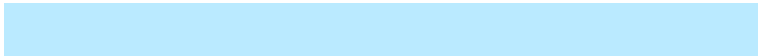
35.4344, 0.3473, 0.4544

Sweetspot

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



35.4356, 0.2001, 0.2346



76.3454, 0.2709, 0.3056



61.4731, 0.2863, 0.5430



15.7890, 0.2657, 0.3023



0.0000, 0.0000, 0.0000



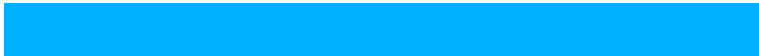
21.4041, 0.3127, 0.3290

Same Dimension

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



35.4356, 0.2001, 0.2346



38.2952, 0.1951, 0.2225



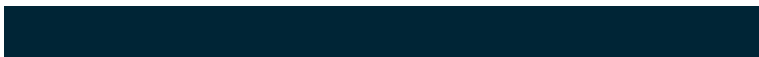
10.2524, 0.1617, 0.0940



16.2894, 0.2981, 0.3215



18.0066, 0.1958, 0.2249



1.5836, 0.2003, 0.2410

Inverse Universe

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



21.5926, 0.4071, 0.2063



24.3971, 0.4206, 0.2090



56.8224, 0.4530, 0.4726



15.2298, 0.3185, 0.3129



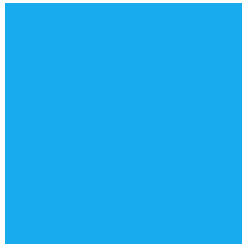
11.3106, 0.4180, 0.2077



0.9053, 0.4013, 0.1984

Previews

White Background



This preview shows how the Yxy color 35.4344, 0.2001, 0.2346 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 35.4344, 0.2001, 0.2346 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

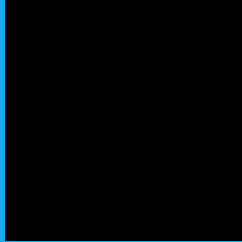
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

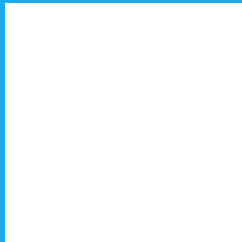
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.4344, 0.2001, 0.2346

Background



This preview shows how black text looks on a background with the Yxy color 35.4344, 0.2001, 0.2346.



This preview shows how white text looks on a background with the Yxy color 35.4344, 0.2001, 0.2346.

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

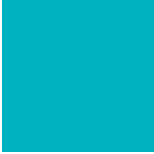
35.4344, 0.2001, 0.2346

Protanopia

35.0082, 0.2449, 0.2364

Deuteranopia

35.2251, 0.2278, 0.2219



Tritanopia

35.2059, 0.2183, 0.3059

Trichromacy



Original Color

35.4344, 0.2001, 0.2346



Protanomaly

34.0406, 0.2196, 0.2335



Deuteranomaly

34.4048, 0.2118, 0.2241



Tritanomaly

35.2721, 0.2110, 0.2774

Monochromacy



Original Color

35.4344, 0.2001, 0.2346



Achromatopsia

24.2281, 0.3127, 0.3290



Achromatomaly

26.5913, 0.2465, 0.2881

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.4344, 0.2001, 0.2346 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(24, 171, 237)` looks like.

```
.text, #text, p{  
  color:rgb(24, 171, 237)  
}
```

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(24, 171, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 171, 237) }
```

Border

The CSS property to change the border of an element to Yxy 35.4344, 0.2001, 0.2346 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(24, 171, 237) }
```

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

```
.border{ border-color:rgb(24, 171, 237) }
```

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

Here you see how a box with a 4 pixel rgb(24, 171, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 171, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 171, 237);  
box-shadow:4px 4px 4px 4px rgb(24, 171,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 35.4344, 0.2001, 0.2346 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 171, 237) }
```

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

```
.background{ background-color: rgb(24, 171,  
237) }
```

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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