

Converting Colors

$Yxy(34.7637, 0.1998, 0.2391)$

Have a look what the booklet for
Yxy(34.7637, 0.1998, 0.2391)
contains.

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Color

Yxy(34.5821, 0.1996, 0.2385)

Conversions

Conversions Part 1

Format	Color
Hex	00AAE8
RGB	0, 170, 232
RGB Percent	0%, 67%, 91%
CMY	0.9993, 0.3333, 0.0903
CMYK	1.00, 0.27, 0.00, 0.09
HSL	196°, 100%, 46%
HSV	196°, 100%, 91%
XYZ	28.9417, 34.5821, 81.4746
YIQ	126.2380, -121.2220, -16.7580

Conversions

Conversions Part 2

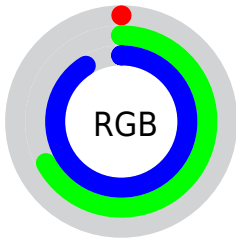
Format	Color
RYB	0, 98, 232
Decimal	43752
CIELab	65.42, -14.58, -41.19
CIELCh	65, 43.693, 250.513
Yxy	34.5821, 0.1996, 0.2385
Android (android.graphics.Color)	4278233832 (0xFF00AAE8)
YUV	126.2380, 52.1407, -110.7107
Hunter-Lab	58.8065, -15.0626, -40.9798

Details

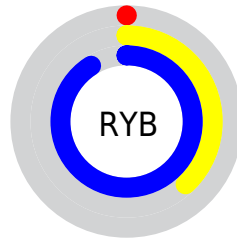
The Yxy color **34.5821, 0.1996, 0.2385** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **20.6123, 0.6061, 0.3569**, and the grayscale version is **20.8224, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.1962, 0.2325, 0.2924**, and **16.0915, 0.1939, 0.2179** is the 20% darker color. If you saturate the color by 10%, you get **34.5638, 0.1996, 0.2384**, and if you desaturate by 10%, it is **37.1490, 0.2039, 0.2484**.

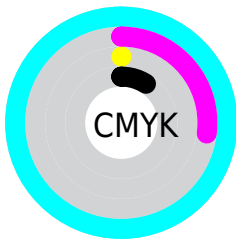
Distribution



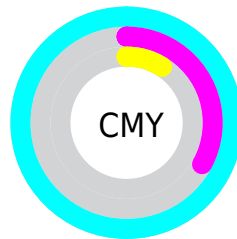
- Red (0%)
- Green (67%)
- Blue (91%)



- Red (0%)
- Yellow (38%)
- Blue (91%)



- Cyan (100%)
- Magenta (27%)
- Yellow (0%)
- Black (9%)





- Cyan (100%)
- Magenta (33%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.5821, 0.1996, 0.2385 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 34.5821, 0.1996, 0.2385 by changing the saturation by 10% instead.


 34.5821, 0.1996,
0.2385


 34.5821, 0.1996,
0.2385


322.7199, 0.2554,
0.2852


 23.3411, 0.1864,
0.2268


 66.8379, 0.2194,
0.2556

 14.8456, 0.1699,
0.2119


 88.6215, 0.2270,
0.2620

 8.7111, 0.1492,
0.1925


 114.6881, 0.2335,
0.2674

 4.5532, 0.1226,
0.1665

 145.4221, 0.2391,
0.2720

 1.9876, 0.0887,
0.1313

 181.2078, 0.2440,
0.2760

 0.6002, 0.0294,
0.0822

222.4298, 0.2482,

 0.0000, 0.0000,

0.2795

0.0000

269.4724, 0.2520,
0.2825

■ 34.5821, 0.1996,
0.2385

■ 34.5821, 0.1996,
0.2385

■ 34.5638, 0.1996,
0.2384

■ 37.1490, 0.2039,
0.2484

■ 40.0480, 0.2100,
0.2585

■ 43.3513, 0.2180,
0.2686

■ 47.1011, 0.2281,
0.2786

■ 51.3333, 0.2398,
0.2884

■ 56.0792, 0.2529,
0.2977

■ 61.3672, 0.2671,
0.3065

■ 67.2233, 0.2821,
0.3147

■ 73.6713, 0.2974,
0.3222

Harmonies

Analogous

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



34.5821, 0.1961, 0.2780



34.5821, 0.1996, 0.2385



34.5821, 0.2289, 0.2251

Triad

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



34.5821, 0.1996, 0.2385



34.5821, 0.4126, 0.3070



34.5821, 0.3321, 0.4500

Complementary

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



34.5821, 0.1996, 0.2385



20.6123, 0.6061, 0.3569

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.



34.5821, 0.3941, 0.4442



34.5821, 0.1996, 0.2385



34.5821, 0.4453, 0.3572

Square

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



34.5821, 0.1996, 0.2385



34.5821, 0.3498, 0.2638



34.5821, 0.4369, 0.4068



34.5821, 0.2682, 0.4103

Rectangle

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



34.5821, 0.1996, 0.2385



34.5821, 0.2618, 0.2292



34.5821, 0.4369, 0.4068



34.5821, 0.3539, 0.4529

Sweetspot

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



34.5833, 0.1996, 0.2385



75.9051, 0.2668, 0.3063



58.0483, 0.2915, 0.5693



15.6357, 0.2607, 0.3027



0.0000, 0.0000, 0.0000



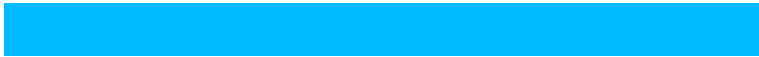
21.4041, 0.3127, 0.3290

Same Dimension

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



34.5833, 0.1996, 0.2385



42.6939, 0.1994, 0.2379



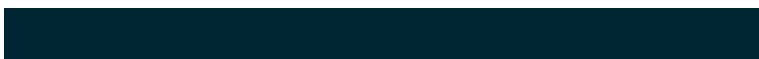
8.4893, 0.1566, 0.0836



15.6504, 0.2981, 0.3226



19.4107, 0.2000, 0.2400



1.5852, 0.2041, 0.2546

Inverse Universe

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



20.0587, 0.4038, 0.1999



24.8411, 0.4044, 0.2002



48.9493, 0.4684, 0.4663



14.5460, 0.3179, 0.3119



11.1572, 0.4023, 0.1990



0.8397, 0.3877, 0.1909

Previews

White Background



This preview shows how the Yxy color 34.5821, 0.1996, 0.2385 looks on a white background.

Color Contrast Check

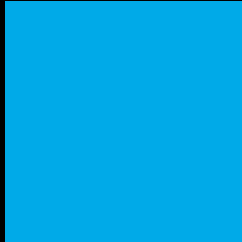
Large Text (above 18pt) WCAG AA × Fail

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 34.5821, 0.1996, 0.2385 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

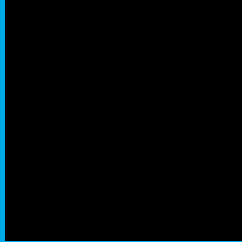
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.5821, 0.1996, 0.2385

Background



This preview shows how black text looks on a background with the Yxy color 34.5821, 0.1996, 0.2385.



This preview shows how white text looks on a background with the Yxy color 34.5821, 0.1996, 0.2385.

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

34.5756, 0.1996, 0.2384

Protanopia

34.3475, 0.2483, 0.2417

Deuteranopia

34.3231, 0.2303, 0.2245



Tritanopia

34.7248, 0.2187, 0.3074

Trichromacy



Original Color

34.5756, 0.1996, 0.2384

Protanomaly

32.9463, 0.2183, 0.2380

Deuteranomaly

33.4009, 0.2103, 0.2273

Tritanomaly

34.6799, 0.2111, 0.2799

Monochromacy



Original Color

34.5756, 0.1996, 0.2384

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

23.7681, 0.2391, 0.2875

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.5821, 0.1996, 0.2385 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, 170, 232)` looks like.

```
.text, #text, p{  
    color:rgb(0, 170, 232)  
}
```

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, 170, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 170, 232) }
```

Border

The CSS property to change the border of an element to Yxy 34.5821, 0.1996, 0.2385 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, 170, 232) }
```

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

```
.border{ border-color:rgb(0, 170, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 170, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 170, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 170, 232);  
box-shadow:4px 4px 4px 4px rgb(0, 170,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 34.5821, 0.1996, 0.2385 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 170, 232) }
```

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

```
.background{ background-color: rgb(0, 170,  
232) }
```

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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