

Converting Colors

$Yxy(33.9747, 0.2007, 0.2252)$

Have a look what the booklet for
Yxy(33.9747, 0.2007, 0.2252)
contains.

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Color

Yxy(34.0853, 0.2009, 0.2256)

Conversions

Conversions Part 1

Format	Color
Hex	2EA6EF
RGB	46, 166, 239
RGB Percent	18%, 65%, 94%
CMY	0.8184, 0.3491, 0.0627
CMYK	0.81, 0.31, 0.00, 0.06
HSL	203°, 86%, 56%
HSV	203°, 81%, 94%
XYZ	30.3534, 34.0853, 86.6486
YIQ	138.4420, -94.9530, -2.7370

Conversions

Conversions Part 2

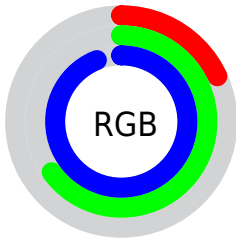
Format	Color
RYB	46, 120, 239
Decimal	3057391
CIELab	65.03, -7.50, -45.63
CIELCh	65, 46.243, 260.661
Yxy	34.0853, 0.2009, 0.2256
Android (android.graphics.Color)	4281247471 (0xFF2EA6EF)
YUV	138.4420, 49.5751, -81.0716
Hunter-Lab	58.3826, -9.3665, -47.1274

Details

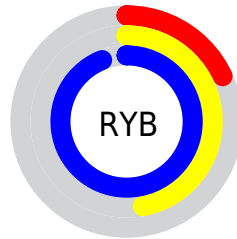
The Yxy color **34.0853, 0.2009, 0.2256** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle washed azure. A complement of this color would be **31.8232, 0.5272, 0.3926**, and the grayscale version is **25.4592, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.0705, 0.2371, 0.2879**, and **15.4535, 0.1891, 0.2006** is the 20% darker color. If you saturate the color by 10%, you get **30.4964, 0.1935, 0.2110**, and if you desaturate by 10%, it is **38.2174, 0.2105, 0.2404**.

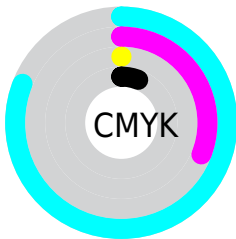
Distribution



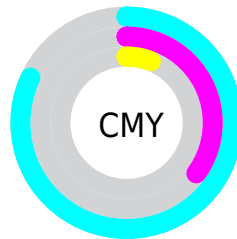
- Red (18%)
- Green (65%)
- Blue (94%)



- Red (18%)
- Yellow (47%)
- Blue (94%)



- Cyan (81%)
- Magenta (31%)
- Yellow (0%)
- Black (6%)




- Cyan (82%)
- Magenta (35%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.0853, 0.2009, 0.2256 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 34.0853, 0.2009, 0.2256 by changing the saturation by 10% instead.


 34.0853, 0.2009,
0.2256


 34.0853, 0.2009,
0.2256


320.5122, 0.2562,
0.2779


 22.9591, 0.1878,
0.2129


 66.0663, 0.2206,
0.2445


 14.5633, 0.1715,
0.1969


 87.6899, 0.2281,
0.2516


 8.5135, 0.1511,
0.1764

 113.5815, 0.2345,
0.2577

 4.4252, 0.1249,
0.1497

 144.1254, 0.2400,
0.2629

 1.9142, 0.0916,
0.1146

 179.7060, 0.2449,
0.2674

 0.5569, 0.0413,
0.0665

220.7078, 0.2491,

 0.0000, 0.0000,

0.2713

0.0000

267.5150, 0.2528,
0.2748

■ 34.0853, 0.2009,
0.2256

■ 34.0853, 0.2009,
0.2256

■ 30.4964, 0.1935,
0.2110

■ 38.2174, 0.2105,
0.2404

■ 27.5505, 0.1882,
0.1976

■ 42.9387, 0.2220,
0.2551

■ 48.2922, 0.2352,
0.2695

■ 54.3148, 0.2496,
0.2831

■ 61.0402, 0.2649,
0.2960

■ 68.4990, 0.2805,
0.3078

■ 76.7199, 0.2962,
0.3187

■ 85.7298, 0.3118,
0.3284

■ 94.3188, 0.3226,
0.3372

Harmonies

Analogous

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



34.0853, 0.1879, 0.2572



34.0853, 0.2009, 0.2256



34.0853, 0.2403, 0.2204

Triad

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



34.0853, 0.2009, 0.2256



34.0853, 0.4353, 0.3226



34.0853, 0.3090, 0.4495

Complementary

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



34.0853, 0.2009, 0.2256



31.8232, 0.5272, 0.3926

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.



34.0853, 0.3774, 0.4584



34.0853, 0.2009, 0.2256



34.0853, 0.4552, 0.3761

Square

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



34.0853, 0.2009, 0.2256



34.0853, 0.3766, 0.2741



34.0853, 0.4319, 0.4263



34.0853, 0.2452, 0.3926

Rectangle

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



34.0853, 0.2009, 0.2256



34.0853, 0.2800, 0.2299



34.0853, 0.4319, 0.4263



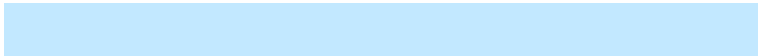
34.0853, 0.3322, 0.4582

Sweetspot

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



34.0864, 0.2009, 0.2256



76.2684, 0.2751, 0.3038



63.6106, 0.2794, 0.5046



15.6650, 0.2695, 0.2996



0.0000, 0.0000, 0.0000



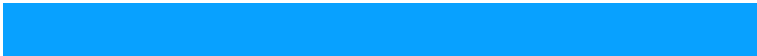
21.4041, 0.3127, 0.3290

Same Dimension

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



34.0864, 0.2009, 0.2256



32.8529, 0.1897, 0.2014



11.4539, 0.1679, 0.1010



16.8640, 0.2980, 0.3198



15.4844, 0.1889, 0.1999



1.4792, 0.1941, 0.2187

Inverse Universe

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



23.0823, 0.4149, 0.2203



24.0087, 0.4434, 0.2228



66.2997, 0.4329, 0.4786



15.9239, 0.3196, 0.3144



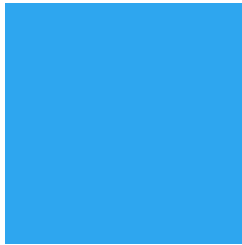
11.3565, 0.4454, 0.2227



0.9640, 0.4246, 0.2113

Previews

White Background



This preview shows how the Yxy color 34.0853, 0.2009, 0.2256 looks on a white background.

Color Contrast Check

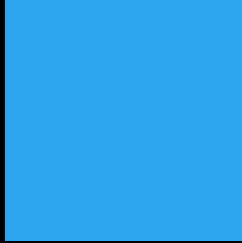
Large Text (above 18pt) WCAG AA × Fail

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 34.0853, 0.2009, 0.2256 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

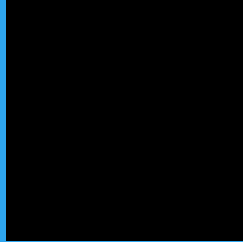
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

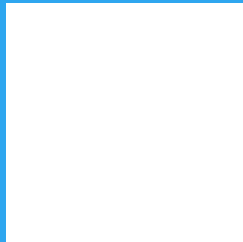
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 34.0853, 0.2009, 0.2256

Background



This preview shows how black text looks on a background with the Yxy color 34.0853, 0.2009, 0.2256.

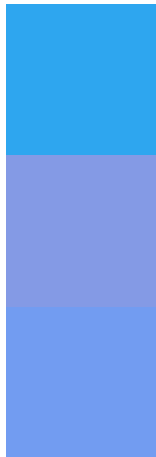


This preview shows how white text looks on a background with the Yxy color 34.0853, 0.2009, 0.2256.

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

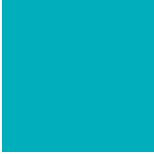
34.0853, 0.2009, 0.2256

Protanopia

33.6739, 0.2385, 0.2280

Deuteranopia

33.7052, 0.2220, 0.2156



Tritanopia

33.9029, 0.2182, 0.3055

Trichromacy



Original Color

34.0853, 0.2009, 0.2256

Protanomaly

33.1036, 0.2195, 0.2249

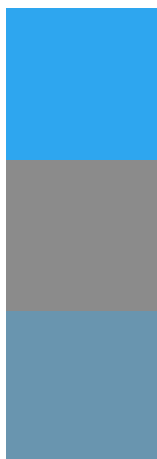
Deuteranomaly

33.5567, 0.2116, 0.2191

Tritanomaly

33.7500, 0.2102, 0.2722

Monochromacy



Original Color

34.0853, 0.2009, 0.2256

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

27.5933, 0.2519, 0.2859

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.0853, 0.2009, 0.2256 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(46, 166, 239)` looks like.

```
.text, #text, p{  
    color:rgb(46, 166, 239)  
}
```

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(46, 166, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 166, 239) }
```

Border

The CSS property to change the border of an element to Yxy 34.0853, 0.2009, 0.2256 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(46, 166, 239) }
```

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

```
.border{ border-color:rgb(46, 166, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 166, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 166, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 166, 239);  
box-shadow:4px 4px 4px 4px rgb(46, 166,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 34.0853, 0.2009, 0.2256 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 166, 239) }
```

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

```
.background{ background-color: rgb(46, 166,  
239) }
```

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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