

Converting Colors

$Y_{xy}(34.1883, 0.1963, 0.2186)$

Have a look what the booklet for
Yxy(34.1883, 0.1963, 0.2186)
contains.

Yxy(34.1410, 0.1963, 0.2186)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(34.1410, 0.1963, 0.2186)

Conversions

Conversions Part 1

Format	Color
Hex	1EA6F5
RGB	30, 166, 245
RGB Percent	12%, 65%, 96%
CMY	0.8819, 0.3490, 0.0391
CMYK	0.88, 0.32, 0.00, 0.04
HSL	202°, 92%, 54%
HSV	202°, 88%, 96%
XYZ	30.6582, 34.1410, 91.3811
YIQ	134.3420, -106.4150, -4.2630

Conversions

Conversions Part 2

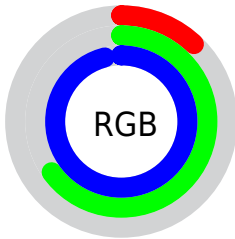
Format	Color
R _Y B	30, 113, 245
Decimal	2008821
CIE Lab	65.07, -6.55, -48.87
CIE LCh	65, 49.306, 262.361
Yxy	34.1410, 0.1963, 0.2186
Android (android.graphics.Color)	4280198901 (0xFF1EA6F5)
YUV	134.3420, 54.5544, -91.5079
Hunter-Lab	58.4303, -8.5947, -51.8244

Details

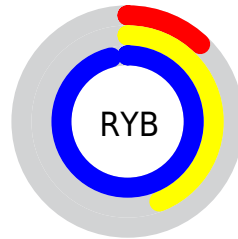
The Yxy color **34.1410, 0.1963, 0.2186** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle washed azure. A complement of this color would be **30.4816, 0.5513, 0.3873**, and the grayscale version is **23.8107, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.6459, 0.2347, 0.2877**, and **15.8923, 0.1879, 0.1963** is the 20% darker color. If you saturate the color by 10%, you get **30.7385, 0.1905, 0.2047**, and if you desaturate by 10%, it is **38.0575, 0.2042, 0.2329**.

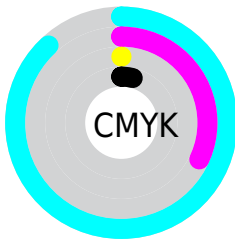
Distribution



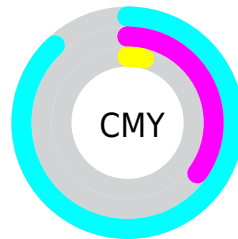
- Red (12%)
- Green (65%)
- Blue (96%)



- Red (12%)
- Yellow (44%)
- Blue (96%)



- Cyan (88%)
- Magenta (32%)
- Yellow (0%)
- Black (4%)





- Cyan (88%)
- Magenta (35%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.1410, 0.1963, 0.2186 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 34.1410, 0.1963, 0.2186 by changing the saturation by 10% instead.


 34.1410, 0.1963,
0.2186


 34.1410, 0.1963,
0.2186


320.7603, 0.2535,
0.2740

 23.0019, 0.1829,
0.2053


 66.1529, 0.2166,
0.2384


 14.5949, 0.1663,
0.1887


 87.7945, 0.2243,
0.2460

 8.5356, 0.1456,
0.1677


 113.7057, 0.2310,
0.2524

 4.4395, 0.1195,
0.1407

 144.2710, 0.2367,
0.2580

 1.9223, 0.0867,
0.1060

 179.8747, 0.2417,
0.2628

 0.5618, 0.0400,
0.0601

220.9012, 0.2462,

 0.0000, 0.0000,

0.2670

0.0000

267.7350, 0.2500,
0.2707

■ 34.1410, 0.1963,
0.2186

■ 34.1410, 0.1963,
0.2186

■ 30.7385, 0.1905,
0.2047

■ 38.0575, 0.2042,
0.2329

■ 30.0093, 0.1893,
0.2015

■ 42.5492, 0.2142,
0.2472

■ 47.6667, 0.2261,
0.2614

■ 53.4522, 0.2396,
0.2752

■ 59.9435, 0.2541,
0.2882

■ 67.1749, 0.2694,
0.3004

■ 75.1780, 0.2851,
0.3116

■ 83.9823, 0.3008,
0.3218

■ 93.6154, 0.3162,
0.3310

Harmonies

Analogous

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



34.1410, 0.1811, 0.2497



34.1410, 0.1963, 0.2186



34.1410, 0.2390, 0.2150

Triad

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



34.1410, 0.1963, 0.2186



34.1410, 0.4459, 0.3247



34.1410, 0.3039, 0.4562

Complementary

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



34.1410, 0.1963, 0.2186



30.4816, 0.5513, 0.3873

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.



34.1410, 0.3766, 0.4676



34.1410, 0.1963, 0.2186



34.1410, 0.4639, 0.3809

Square

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



34.1410, 0.1963, 0.2186



34.1410, 0.3849, 0.2735



34.1410, 0.4361, 0.4339



34.1410, 0.2374, 0.3925

Rectangle

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



34.1410, 0.1963, 0.2186



34.1410, 0.2818, 0.2258



34.1410, 0.4361, 0.4339



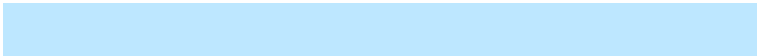
34.1410, 0.3285, 0.4663

Sweetspot

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



34.1421, 0.1963, 0.2186



74.9386, 0.2720, 0.3023



66.7013, 0.2807, 0.5208



15.4212, 0.2666, 0.2982



0.0000, 0.0000, 0.0000



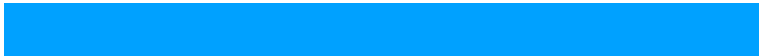
21.4041, 0.3127, 0.3290

Same Dimension

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



34.1421, 0.1963, 0.2186



32.7875, 0.1892, 0.2012



9.9767, 0.1603, 0.0861



17.6734, 0.2980, 0.3201



16.4361, 0.1899, 0.2038



1.6403, 0.1948, 0.2212

Inverse Universe

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



23.1049, 0.4236, 0.2174



23.8411, 0.4439, 0.2219



68.8145, 0.4387, 0.4826



16.6589, 0.3194, 0.3141



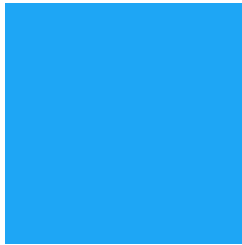
11.7586, 0.4410, 0.2203



1.0532, 0.4219, 0.2098

Previews

White Background



This preview shows how the Yxy color 34.1410, 0.1963, 0.2186 looks on a white background.

Color Contrast Check

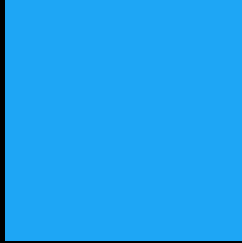
Large Text (above 18pt) WCAG AA × Fail

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 34.1410, 0.1963, 0.2186 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

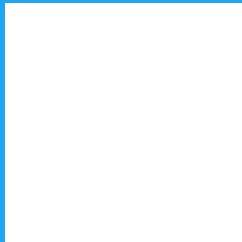
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 34.1410, 0.1963, 0.2186

Background



This preview shows how black text looks on a background with the Yxy color 34.1410, 0.1963, 0.2186.



This preview shows how white text looks on a background with the Yxy color 34.1410, 0.1963, 0.2186.

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

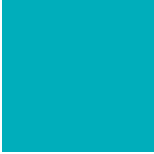
34.1410, 0.1963, 0.2186

Protanopia

33.7765, 0.2333, 0.2213

Deuteranopia

33.9551, 0.2161, 0.2102



Tritanopia

33.8600, 0.2187, 0.3071

Trichromacy



Original Color

34.1410, 0.1963, 0.2186

Protanomaly

33.0129, 0.2131, 0.2177

Deuteranomaly

33.4577, 0.2055, 0.2120

Tritanomaly

33.7510, 0.2093, 0.2708

Monochromacy



Original Color

34.1410, 0.1963, 0.2186

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

26.1006, 0.2453, 0.2815

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.1410, 0.1963, 0.2186 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(30, 166, 245)` looks like.

```
.text, #text, p{  
  color:rgb(30, 166, 245)  
}
```

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(30, 166, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 166, 245) }
```

Border

The CSS property to change the border of an element to Yxy 34.1410, 0.1963, 0.2186 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(30, 166, 245) }
```

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

```
.border{ border-color:rgb(30, 166, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 166, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 166, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 166, 245);  
box-shadow:4px 4px 4px 4px rgb(30, 166,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 34.1410, 0.1963, 0.2186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 166, 245) }
```

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

```
.background{ background-color: rgb(30, 166,  
245) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor