

Converting Colors

$Y_{xy}(34.2102, 0.1953, 0.2230)$

Have a look what the booklet for
Yxy(34.2102, 0.1953, 0.2230)
contains.

Yxy(34.0482, 0.1952, 0.2227)	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(34.0482, 0.1952, 0.2227)

Conversions

Conversions Part 1

Format	Color
Hex	00A7F2
RGB	0, 167, 242
RGB Percent	0%, 65%, 95%
CMY	1.0000, 0.3451, 0.0510
CMYK	1.00, 0.31, 0.00, 0.05
HSL	199°, 100%, 47%
HSV	199°, 100%, 95%
XYZ	29.8438, 34.0482, 88.9962
YIQ	125.6170, -123.6070, -12.0790

Conversions

Conversions Part 2

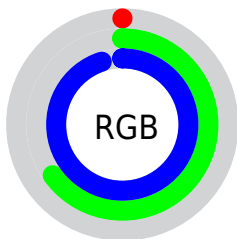
Format	Color
RYB	0, 99, 242
Decimal	42994
CIELab	65.00, -9.30, -47.34
CIELCh	65, 48.245, 258.885
Yxy	34.0482, 0.1952, 0.2227
Android (android.graphics.Color)	4278233074 (0xFF00A7F2)
YUV	125.6170, 57.3768, -110.1661
Hunter-Lab	58.3508, -10.8194, -49.5830

Details

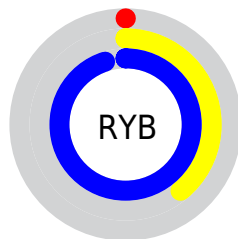
The Yxy color **34.0482, 0.1952, 0.2227** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle saturated azure. A complement of this color would be **23.9062, 0.5966, 0.3645**, and the grayscale version is **20.5617, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.7138, 0.2324, 0.2887**, and **15.7643, 0.1889, 0.2000** is the 20% darker color. If you saturate the color by 10%, you get **34.0494, 0.1952, 0.2227**, and if you desaturate by 10%, it is **37.0739, 0.2000, 0.2343**.

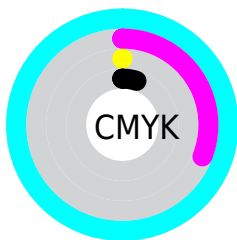
Distribution



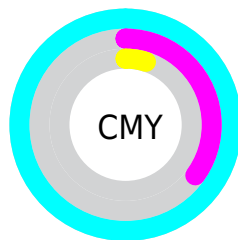
- Red (0%)
- Green (65%)
- Blue (95%)



- Red (0%)
- Yellow (39%)
- Blue (95%)



- Cyan (100%)
- Magenta (31%)
- Yellow (0%)
- Black (5%)





- Cyan (100%)
- Magenta (35%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.0482, 0.1952, 0.2227 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 34.0482, 0.1952, 0.2227 by changing the saturation by 10% instead.


 34.0482, 0.1952,
0.2227


 34.0482, 0.1952,
0.2227


320.3469, 0.2530,
0.2765


 22.9306, 0.1816,
0.2096


 66.0086, 0.2157,
0.2421


 14.5423, 0.1649,
0.1933


 87.6203, 0.2235,
0.2494

 8.4988, 0.1440,
0.1724


 113.4987, 0.2302,
0.2557

 4.4157, 0.1175,
0.1454

 144.0284, 0.2360,
0.2610

 1.9087, 0.0844,
0.1103

 179.5936, 0.2411,
0.2657

 0.5536, 0.0340,
0.0630

220.5789, 0.2455,

 0.0000, 0.0000,

0.2697

0.0000

267.3685, 0.2495,
0.2733

■ 34.0482, 0.1952,
0.2227

■ 34.0482, 0.1952,
0.2227

■ 34.0494, 0.1952,
0.2227

■ 37.0739, 0.2000,
0.2343

■ 40.5052, 0.2066,
0.2462

■ 44.4221, 0.2153,
0.2581

■ 48.8728, 0.2259,
0.2699

■ 53.8979, 0.2382,
0.2814

■ 59.5332, 0.2519,
0.2924

■ 65.8110, 0.2665,
0.3027

■ 72.7610, 0.2817,
0.3123

■ 80.4106, 0.2972,
0.3211

Harmonies

Analogous

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



34.0482, 0.1834, 0.2568



34.0482, 0.1952, 0.2227



34.0482, 0.2342, 0.2161

Triad

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



34.0482, 0.1952, 0.2227



34.0482, 0.4380, 0.3188



34.0482, 0.3126, 0.4574

Complementary

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



34.0482, 0.1952, 0.2227



23.9062, 0.5966, 0.3645

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.



34.0482, 0.3835, 0.4628



34.0482, 0.1952, 0.2227



34.0482, 0.4613, 0.3739

Square

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



34.0482, 0.1952, 0.2227



34.0482, 0.3749, 0.2693



34.0482, 0.4390, 0.4268



34.0482, 0.2456, 0.4001

Rectangle

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



34.0482, 0.1952, 0.2227



34.0482, 0.2745, 0.2250



34.0482, 0.4390, 0.4268



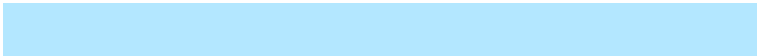
34.0482, 0.3368, 0.4652

Sweetspot

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



34.0494, 0.1952, 0.2227



74.0611, 0.2664, 0.3026



63.9751, 0.2895, 0.5624



15.1934, 0.2601, 0.2984



0.0000, 0.0000, 0.0000



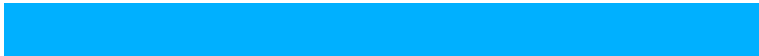
21.4041, 0.3127, 0.3290

Same Dimension

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



34.0494, 0.1952, 0.2227



38.2636, 0.1951, 0.2224



8.5569, 0.1549, 0.0775



17.0543, 0.2981, 0.3215



18.5471, 0.1957, 0.2246



1.7190, 0.2000, 0.2400

Inverse Universe

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



21.6660, 0.4203, 0.2089



24.3939, 0.4207, 0.2091



57.2786, 0.4605, 0.4726



15.9431, 0.3185, 0.3128



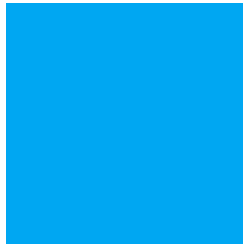
11.6657, 0.4183, 0.2078



0.9882, 0.4023, 0.1990

Previews

White Background



This preview shows how the Yxy color 34.0482, 0.1952, 0.2227 looks on a white background.

Color Contrast Check

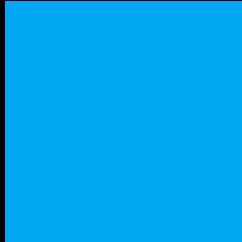
Large Text (above 18pt) WCAG AA × Fail

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 34.0482, 0.1952, 0.2227 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

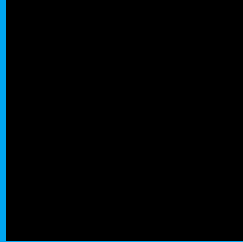
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

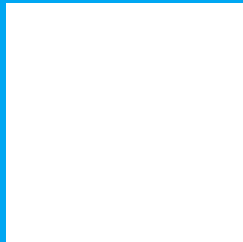
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 34.0482, 0.1952, 0.2227

Background



This preview shows how black text looks on a background with the Yxy color 34.0482, 0.1952, 0.2227.

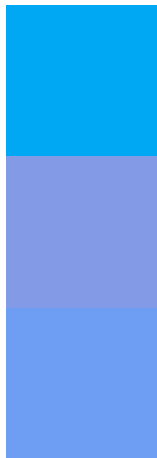


This preview shows how white text looks on a background with the Yxy color 34.0482, 0.1952, 0.2227.

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

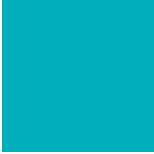
34.0482, 0.1952, 0.2227

Protanopia

33.7060, 0.2367, 0.2258

Deuteranopia

33.9606, 0.2189, 0.2135



Tritanopia

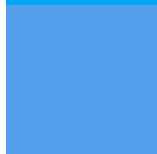
33.8600, 0.2187, 0.3071

Trichromacy



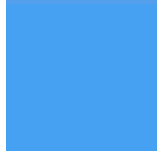
Original Color

34.0482, 0.1952, 0.2227



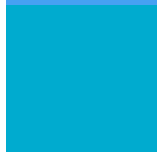
Protanomaly

32.6334, 0.2108, 0.2222



Deuteranomaly

33.2629, 0.2039, 0.2156



Tritanomaly

33.6308, 0.2089, 0.2721

Monochromacy



Original Color

34.0482, 0.1952, 0.2227



Achromatopsia

20.8637, 0.3127, 0.3290



Achromatomaly

23.5824, 0.2368, 0.2806

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.0482, 0.1952, 0.2227 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, 167, 242)` looks like.

```
.text, #text, p{  
    color:rgb(0, 167, 242)  
}
```

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, 167, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 167, 242) }
```

Border

The CSS property to change the border of an element to Yxy 34.0482, 0.1952, 0.2227 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, 167, 242) }
```

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

```
.border{ border-color:rgb(0, 167, 242) }
```

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

Here you see how a box with a 4 pixel rgb(0, 167, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 167, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 167, 242);  
box-shadow:4px 4px 4px 4px rgb(0, 167,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 34.0482, 0.1952, 0.2227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 167, 242) }
```

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

```
.background{ background-color: rgb(0, 167,  
242) }
```

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