

Converting Colors

$Y_{xy}(30.8474, 0.1913, 0.2087)$

Have a look what the booklet for
Yxy(30.8474, 0.1913, 0.2087)
contains.

Yxy(30.8645, 0.1914, 0.2091)	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(30.8645, 0.1914, 0.2091)

Conversions

Conversions Part 1

Format	Color
Hex	009EF2
RGB	0, 158, 242
RGB Percent	0%, 62%, 95%
CMY	1.0000, 0.3804, 0.0509
CMYK	1.00, 0.35, 0.00, 0.05
HSL	201°, 100%, 47%
HSV	201°, 100%, 95%
XYZ	28.2519, 30.8645, 88.4900
YIQ	120.3340, -121.1320, -7.3720

Conversions

Conversions Part 2

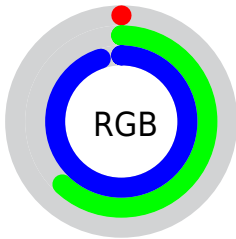
Format	Color
RYB	0, 96, 242
Decimal	40690
CIELab	62.39, -4.21, -51.48
CIELCh	62, 51.653, 265.320
Yxy	30.8645, 0.1914, 0.2091
Android (android.graphics.Color)	4278230770 (0xFF009EF2)
YUV	120.3340, 59.9813, -105.5329
Hunter-Lab	55.5558, -6.4499, -55.5488

Details

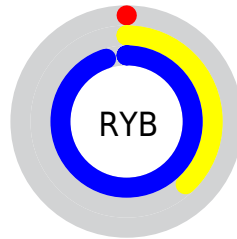
The Yxy color **30.8645, 0.1914, 0.2091** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **25.2244, 0.5870, 0.3721**, and the grayscale version is **18.7305, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.5582, 0.2296, 0.2759**, and **14.0182, 0.1846, 0.1847** is the 20% darker color. If you saturate the color by 10%, you get **30.8682, 0.1914, 0.2091**, and if you desaturate by 10%, it is **34.0300, 0.1967, 0.2222**.

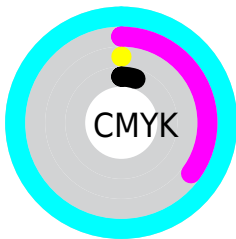
Distribution



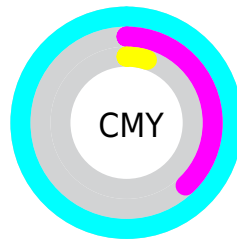
- Red (0%)
- Green (62%)
- Blue (95%)



- Red (0%)
- Yellow (38%)
- Blue (95%)



- Cyan (100%)
- Magenta (35%)
- Yellow (0%)
- Black (5%)




- Cyan (100%)
- Magenta (38%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.8645, 0.1914, 0.2091 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 30.8645, 0.1914, 0.2091 by changing the saturation by 10% instead.


 30.8645, 0.1914,
0.2091


 30.8645, 0.1914,
0.2091


305.9136, 0.2517,
0.2695


 20.4957, 0.1772,
0.1946


 61.0267, 0.2128,
0.2307

 12.7559, 0.1596,
0.1766


 81.5888, 0.2211,
0.2390


 7.2607, 0.1376,
0.1539


 106.3176, 0.2281,
0.2460

 3.6256, 0.1100,
0.1250

 135.5973, 0.2341,
0.2520

 1.4664, 0.0760,
0.0888

 169.8123, 0.2394,
0.2573

 0.2649, 0.0181,
0.0321

209.3471, 0.2440,

 0.0000, 0.0000,

0.2618

0.0000

254.5861, 0.2481,
0.2659

■ 30.8645, 0.1914,
0.2091

■ 30.8645, 0.1914,
0.2091

■ 30.8682, 0.1914,
0.2091

■ 34.0300, 0.1967,
0.2222

■ 37.6365, 0.2038,
0.2356

■ 41.7677, 0.2130,
0.2491

■ 46.4727, 0.2242,
0.2624

■ 51.7934, 0.2371,
0.2754

■ 57.7664, 0.2512,
0.2878

■ 64.4252, 0.2661,
0.2995

■ 71.8003, 0.2816,
0.3103

■ 79.9201, 0.2972,
0.3201

Harmonies

Analogous

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



30.8645, 0.1724, 0.2384



30.8645, 0.1914, 0.2091



30.8645, 0.2394, 0.2083

Triad

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



30.8645, 0.1914, 0.2091



30.8645, 0.4612, 0.3291



30.8645, 0.2945, 0.4636

Complementary

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



30.8645, 0.1914, 0.2091



25.2244, 0.5870, 0.3721

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.



30.8645, 0.3728, 0.4805



30.8645, 0.1914, 0.2091



30.8645, 0.4746, 0.3888

Square

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



30.8645, 0.1914, 0.2091



30.8645, 0.3987, 0.2741



30.8645, 0.4394, 0.4455



30.8645, 0.2253, 0.3893

Rectangle

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



30.8645, 0.1914, 0.2091



30.8645, 0.2866, 0.2213



30.8645, 0.4394, 0.4455



30.8645, 0.3207, 0.4765

Sweetspot

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



30.8682, 0.1914, 0.2091



72.4755, 0.2660, 0.2994



64.1070, 0.2873, 0.5542



14.8142, 0.2596, 0.2946



0.0000, 0.0000, 0.0000



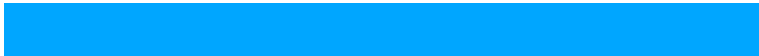
21.4041, 0.3127, 0.3290

Same Dimension

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



30.8682, 0.1914, 0.2091



34.6670, 0.1913, 0.2088



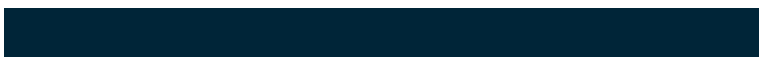
7.9526, 0.1535, 0.0727



16.9514, 0.2980, 0.3206



16.8444, 0.1920, 0.2113



1.5864, 0.1968, 0.2286

Inverse Universe

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



21.3501, 0.4351, 0.2171



24.0308, 0.4355, 0.2173



60.9749, 0.4528, 0.4787



15.9328, 0.3191, 0.3137



11.4938, 0.4327, 0.2157



0.9749, 0.4141, 0.2055

Previews

White Background



This preview shows how the Yxy color 30.8645, 0.1914, 0.2091 looks on a white background.

Color Contrast Check

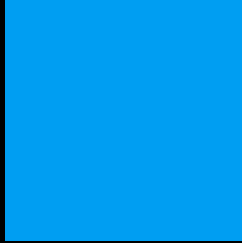
Large Text (above 18pt) WCAG AA × Fail

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 30.8645, 0.1914, 0.2091 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

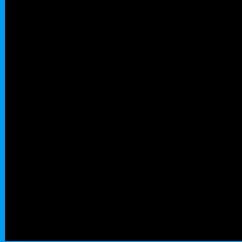
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

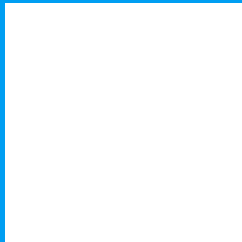
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.8645, 0.1914, 0.2091

Background



This preview shows how black text looks on a background with the Yxy color 30.8645, 0.1914, 0.2091.

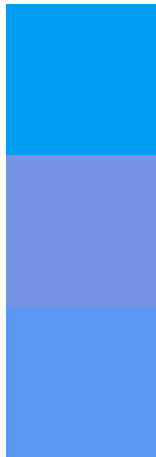


This preview shows how white text looks on a background with the Yxy color 30.8645, 0.1914, 0.2091.

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

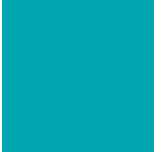
30.8645, 0.1914, 0.2091

Protanopia

30.6156, 0.2268, 0.2130

Deuteranopia

30.9920, 0.2088, 0.2028



Tritanopia

30.8921, 0.2189, 0.3080

Trichromacy



Original Color

30.8645, 0.1914, 0.2091

Protanomaly

29.7258, 0.2049, 0.2086

Deuteranomaly

30.5121, 0.1980, 0.2045

Tritanomaly

30.8152, 0.2076, 0.2672

Monochromacy



Original Color

30.8645, 0.1914, 0.2091

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

21.2670, 0.2342, 0.2736

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.8645, 0.1914, 0.2091 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, 158, 242)` looks like.

```
.text, #text, p{  
    color:rgb(0, 158, 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, 158, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 158, 242) }
```

Border

The CSS property to change the border of an element to Yxy 30.8645, 0.1914, 0.2091 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, 158, 242) }
```

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

```
.border{ border-color:rgb(0, 158, 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, 158, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 158, 242); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 158, 242); box-shadow:4px 4px 4px 4px rgb(0, 158, 242) }
```


Background

The CSS property to change the background color of an element to Yxy 30.8645, 0.1914, 0.2091 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 158, 242) }
```

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

```
.background{ background-color: rgb(0, 158,  
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