

Converting Colors

$Y_{xy}(41.1491, 0.1979, 0.2286)$

Have a look what the booklet for
Yxy(41.1491, 0.1979, 0.2286)
contains.

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Color

Yxy(40.8246, 0.1986, 0.2313)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 13B6FF |
| RGB | 19, 182, 255 |
| RGB Percent | 7%, 71%, 100% |
| CMY | 0.9242, 0.2862, 0.0001 |
| CMYK | 0.92, 0.29, 0.00, 0.00 |
| HSL | 199°, 100%, 54% |
| HSV | 199°, 92%, 100% |
| XYZ | 35.0530, 40.8246, 100.6230 |
| YIQ | 141.5850, -120.5810, -11.8530 |

Conversions

Conversions Part 2

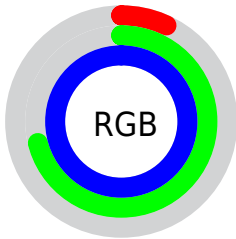
| Format | Color |
|-------------------------------------|---------------------------------|
| R _Y B | 19, 115, 255 |
| Decimal | 1292031 |
| CIE Lab | 70.05, -12.35, -46.44 |
| CIE LCh | 70, 48.057, 255.103 |
| Yxy | 40.8246, 0.1986, 0.2313 |
| Android (android.graphics.Color) | 4279482111 (0xFF13B6FF) |
| YUV | 141.5850, 55.9136, -107.5070 |
| Hunter-Lab | 63.8941, -13.8877, -48.6464 |

Details

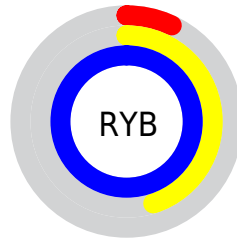
The Yxy color **40.8246, 0.1986, 0.2313** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed azure. A complement of this color would be **29.0075, 0.5791, 0.3716**, and the grayscale version is **26.7341, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.0821, 0.2391, 0.3087**, and **19.7777, 0.1917, 0.2101** is the 20% darker color. If you saturate the color by 10%, you get **38.2855, 0.1951, 0.2225**, and if you desaturate by 10%, it is **44.5637, 0.2047, 0.2431**.

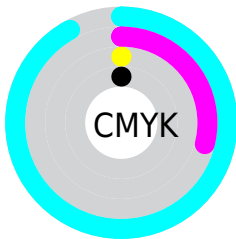
Distribution



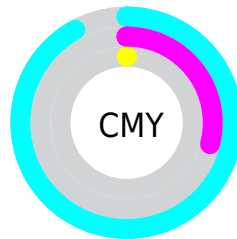
- Red (7%)
- Green (71%)
- Blue (100%)



- Red (7%)
- Yellow (45%)
- Blue (100%)



- Cyan (92%)
- Magenta (29%)
- Yellow (0%)
- Black (0%)



- Cyan (92%)
- Magenta (29%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.8246, 0.1986, 0.2313 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 40.8246, 0.1986, 0.2313 by changing the saturation by 10% instead.

40.8246, 0.1986,
0.2313

40.8246, 0.1986,
0.2313

349.5870, 0.2532,
0.2798

28.1821, 0.1861,
0.2197

76.4176, 0.2176,
0.2486

18.4629, 0.1708,
0.2053

100.1368, 0.2250,
0.2552

11.2829, 0.1519,
0.1871

128.3170, 0.2314,
0.2608

6.2574, 0.1281,
0.1634

161.3426, 0.2369,
0.2657

3.0022, 0.0982,
0.1325

199.5980, 0.2417,
0.2699

1.1329, 0.0616,
0.0923

243.4676, 0.2460,

0.0059, 0.0000,

0.2736

0.0011

293.3358, 0.2498,
0.2769

■ 0.0000, 0.0000,
0.0000

■ 40.8246, 0.1986,
0.2313

■ 40.8246, 0.1986,
0.2313

■ 38.2855, 0.1951,
0.2225

■ 44.5637, 0.2047,
0.2431

■ 48.8347, 0.2128,
0.2551

■ 53.6965, 0.2230,
0.2670

■ 59.1971, 0.2349,
0.2786

■ 65.3784, 0.2483,
0.2897

■ 72.2779, 0.2628,
0.3002

■ 79.9301, 0.2779,
0.3100

■ 88.3666, 0.2934,
0.3190

■ 97.6171, 0.3090,
0.3272

Harmonies

Analogous

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



40.8246, 0.1908, 0.2676



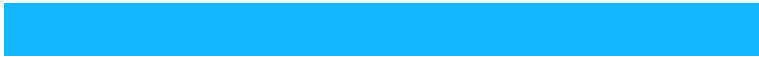
40.8246, 0.1986, 0.2313



40.8246, 0.2327, 0.2216

Triad

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



40.8246, 0.1986, 0.2313



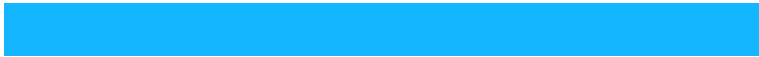
40.8246, 0.4244, 0.3135



40.8246, 0.3219, 0.4521

Complementary

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



40.8246, 0.1986, 0.2313



29.0075, 0.5791, 0.3716

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.



40.8246, 0.3878, 0.4523



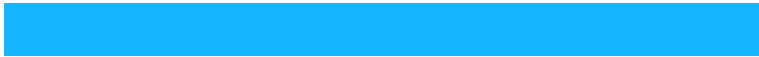
40.8246, 0.1986, 0.2313



40.8246, 0.4520, 0.3658

Square

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



40.8246, 0.1986, 0.2313



40.8246, 0.3622, 0.2675



40.8246, 0.4366, 0.4164



40.8246, 0.2571, 0.4040

Rectangle

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



40.8246, 0.1986, 0.2313



40.8246, 0.2690, 0.2281



40.8246, 0.4366, 0.4164



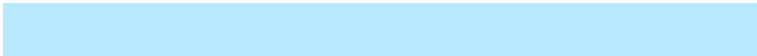
40.8246, 0.3447, 0.4575

Sweetspot

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



40.8259, 0.1986, 0.2313



75.5795, 0.2694, 0.3047



72.3879, 0.2871, 0.5487



15.4896, 0.2629, 0.3003



0.0000, 0.0000, 0.0000



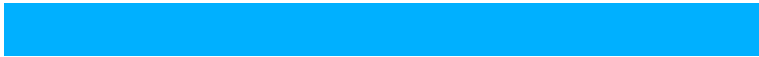
21.4041, 0.3127, 0.3290

Same Dimension

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



40.8259, 0.1986, 0.2313



38.2920, 0.1951, 0.2225



11.3103, 0.1594, 0.0888



19.4767, 0.2980, 0.3215



20.2862, 0.1957, 0.2244



2.1697, 0.1994, 0.2378

Inverse Universe

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



25.1115, 0.4108, 0.2067



24.3967, 0.4206, 0.2090



66.3428, 0.4553, 0.4729



18.1990, 0.3186, 0.3127



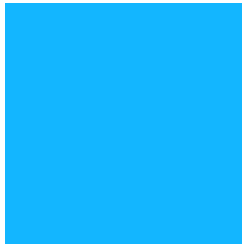
12.7759, 0.4185, 0.2079



1.2636, 0.4046, 0.2002

Previews

White Background



This preview shows how the Yxy color 40.8246, 0.1986, 0.2313 looks on a white background.

Color Contrast Check

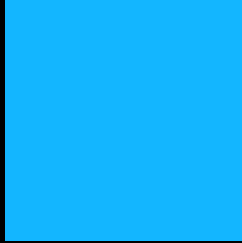
Large Text (above 18pt) WCAG AA × Fail

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 40.8246, 0.1986, 0.2313 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

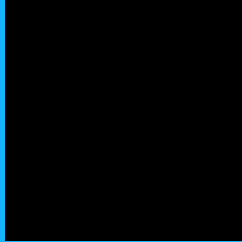
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

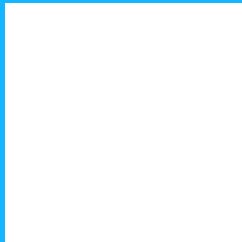
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.8246, 0.1986, 0.2313

Background



This preview shows how black text looks on a background with the Yxy color 40.8246, 0.1986, 0.2313.



This preview shows how white text looks on a background with the Yxy color 40.8246, 0.1986, 0.2313.

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

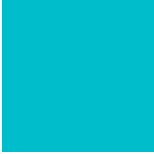
40.8143, 0.1986, 0.2312

Protanopia

40.2195, 0.2427, 0.2333

Deuteranopia

40.3418, 0.2277, 0.2217



Tritanopia

40.7070, 0.2187, 0.3072

Trichromacy



Original Color

40.8143, 0.1986, 0.2312



Protanomaly

38.9298, 0.2173, 0.2299



Deuteranomaly

39.6658, 0.2109, 0.2236



Tritanomaly

40.4369, 0.2104, 0.2759

Monochromacy



Original Color

40.8143, 0.1986, 0.2312



Achromatopsia

27.0498, 0.3127, 0.3290



Achromatomaly

30.0742, 0.2435, 0.2868

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.8246, 0.1986, 0.2313 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(19, 182, 255)` looks like.

```
.text, #text, p{  
    color:rgb(19, 182, 255)  
}
```

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(19, 182, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 182, 255) }
```

Border

The CSS property to change the border of an element to Yxy 40.8246, 0.1986, 0.2313 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(19, 182, 255) }
```

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

```
.border{ border-color:rgb(19, 182, 255) }
```

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

Here you see how a box with a 4 pixel rgb(19, 182, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 182, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 182, 255);  
box-shadow:4px 4px 4px 4px rgb(19, 182,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 40.8246, 0.1986, 0.2313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 182, 255) }
```

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

```
.background{ background-color: rgb(19, 182,  
255) }
```

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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