

Converting Colors

$Y_{xy}(43.5359, 0.2086, 0.2670)$

Have a look what the booklet for
Yxy(43.5359, 0.2086, 0.2670)
contains.

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Color

Yxy(43.3982, 0.2086, 0.2671)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 13BFEB |
| RGB | 19, 191, 235 |
| RGB Percent | 7%, 75%, 92% |
| CMY | 0.9258, 0.2510, 0.0784 |
| CMYK | 0.92, 0.19, 0.00, 0.08 |
| HSL | 192°, 85%, 50% |
| HSV | 192°, 92%, 92% |
| XYZ | 33.8932, 43.3982, 85.1879 |
| YIQ | 144.5880, -116.6360, -22.7800 |

Conversions

Conversions Part 2

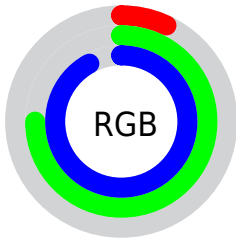
| Format | Color |
|-------------------------------------|---------------------------------|
| R_{YB} | 19, 115, 235 |
| Decimal | 1294315 |
| CIE _{Lab} | 71.82, -23.99, -32.87 |
| CIE _{LCh} | 72, 40.692, 233.876 |
| Yxy | 43.3982, 0.2086, 0.2671 |
| Android (android.graphics.Color) | 4279484395 (0xFF13BFEB) |
| YUV | 144.5880, 44.5731, -110.1407 |
| Hunter-Lab | 65.8773, -23.4490, -30.5555 |

Details

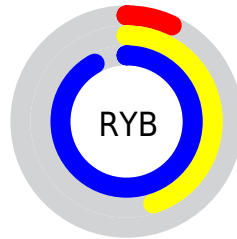
The Yxy color **43.3982, 0.2086, 0.2671** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **21.2559, 0.6003, 0.3530**, and the grayscale version is **27.9833, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.8655, 0.2406, 0.3206**, and **21.1460, 0.2032, 0.2516** is the 20% darker color. If you saturate the color by 10%, you get **41.6029, 0.2059, 0.2612**, and if you desaturate by 10%, it is **45.8847, 0.2134, 0.2746**.

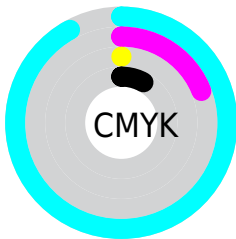
Distribution



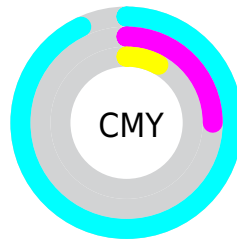
- Red (7%)
- Green (75%)
- Blue (92%)



- Red (7%)
- Yellow (45%)
- Blue (92%)



- Cyan (92%)
- Magenta (19%)
- Yellow (0%)
- Black (8%)




- Cyan (93%)
- Magenta (25%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 43.3982, 0.2086, 0.2671 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 43.3982, 0.2086, 0.2671 by changing the saturation by 10% instead.


 43.3982, 0.2086,
0.2671


 43.3982, 0.2086,
0.2671

360.2468, 0.2585,
0.2992


 30.1977, 0.1970,
0.2589

 80.3114, 0.2261,
0.2789

 19.9887, 0.1827,
0.2485


 104.7929, 0.2329,
0.2833


 12.3868, 0.1646,
0.2347


 133.8035, 0.2387,
0.2870

 7.0077, 0.1415,
0.2158

 167.7276, 0.2437,
0.2902

 3.4669, 0.1114,
0.1889

 206.9495, 0.2481,
0.2929

 1.3801, 0.0714,
0.1495

251.8538, 0.2520,

 0.2020, 0.0000,

0.2953

0.0545

302.8248, 0.2555,
0.2974

■ 0.0000, 0.0000,
0.0000

■ 43.3982, 0.2086,
0.2671

■ 43.3982, 0.2086,
0.2671

■ 41.6029, 0.2059,
0.2612

■ 45.8847, 0.2134,
0.2746

■ 48.7294, 0.2201,
0.2821

■ 51.9785, 0.2288,
0.2895

■ 55.6691, 0.2393,
0.2969

■ 59.8338, 0.2514,
0.3039

■ 64.5016, 0.2649,
0.3106

■ 69.6989, 0.2793,
0.3169

■ 75.4502, 0.2943,
0.3227

■ 81.7782, 0.3097,
0.3280

Harmonies

Analogous

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



43.3982, 0.2191, 0.3144



43.3982, 0.2086, 0.2671



43.3982, 0.2221, 0.2419

Triad

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



43.3982, 0.2086, 0.2671



43.3982, 0.3710, 0.2878



43.3982, 0.3618, 0.4350

Complementary

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



43.3982, 0.2086, 0.2671



21.2559, 0.6003, 0.3530

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.



43.3982, 0.4078, 0.4146



43.3982, 0.2086, 0.2671



43.3982, 0.4156, 0.3300

Square

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



43.3982, 0.2086, 0.2671



43.3982, 0.3118, 0.2556



43.3982, 0.4288, 0.3752



43.3982, 0.3050, 0.4215

Rectangle

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



43.3982, 0.2086, 0.2671



43.3982, 0.2438, 0.2376



43.3982, 0.4288, 0.3752



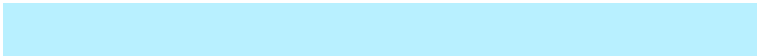
43.3982, 0.3791, 0.4313

Sweetspot

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



43.3997, 0.2086, 0.2671



79.9533, 0.2703, 0.3131



59.9046, 0.2931, 0.5691



16.5531, 0.2641, 0.3103



0.0000, 0.0000, 0.0000



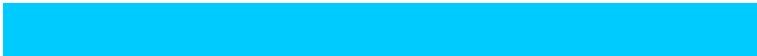
21.4041, 0.3127, 0.3290

Same Dimension

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



43.3997, 0.2086, 0.2671



49.9684, 0.2058, 0.2608



12.4379, 0.1661, 0.1122



16.5706, 0.2981, 0.3241



23.3408, 0.2062, 0.2623



1.9643, 0.2091, 0.2726

Inverse Universe

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



21.8875, 0.3752, 0.1871



25.5755, 0.3816, 0.1876



46.5260, 0.4767, 0.4546



15.2582, 0.3169, 0.3104



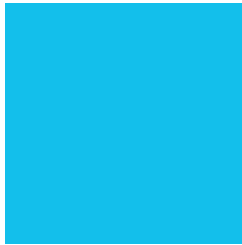
11.8491, 0.3801, 0.1868



0.9437, 0.3704, 0.1814

Previews

White Background



This preview shows how the Yxy color 43.3982, 0.2086, 0.2671 looks on a white background.

Color Contrast Check

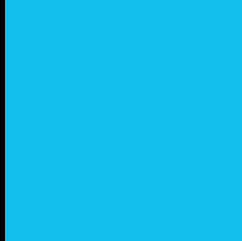
Large Text (above 18pt) WCAG AA × Fail

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 43.3982, 0.2086, 0.2671 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

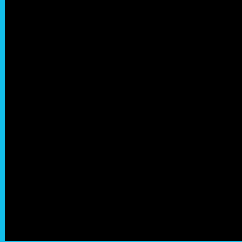
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 43.3982, 0.2086, 0.2671

Background



This preview shows how black text looks on a background with the Yxy color 43.3982, 0.2086, 0.2671.



This preview shows how white text looks on a background with the Yxy color 43.3982, 0.2086, 0.2671.

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

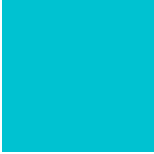
43.3982, 0.2086, 0.2671

Protanopia

42.8424, 0.2673, 0.2661

Deuteranopia

42.7056, 0.2518, 0.2452



Tritanopia

43.1870, 0.2184, 0.3062

Trichromacy



Original Color

43.3982, 0.2086, 0.2671



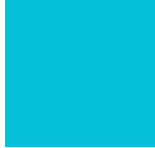
Protanomaly

41.5036, 0.2334, 0.2646



Deuteranomaly

41.4774, 0.2260, 0.2500



Tritanomaly

43.2471, 0.2149, 0.2921

Monochromacy



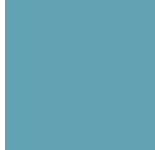
Original Color

43.3982, 0.2086, 0.2671



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

31.7077, 0.2494, 0.3029

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.3982, 0.2086, 0.2671 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, 191, 235)` looks like.

```
.text, #text, p{  
    color:rgb(19, 191, 235)  
}
```

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, 191, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 191, 235) }
```

Border

The CSS property to change the border of an element to Yxy 43.3982, 0.2086, 0.2671 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, 191, 235) }
```

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

```
.border{ border-color:rgb(19, 191, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 191, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(19, 191, 235); -webkit-box-shadow:4px 4px 4px 4px rgb(19, 191, 235); box-shadow:4px 4px 4px 4px rgb(19, 191, 235) }
```


Background

The CSS property to change the background color of an element to Yxy 43.3982, 0.2086, 0.2671 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 191, 235) }
```

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

```
.background{ background-color: rgb(19, 191,  
235) }
```

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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