

Converting Colors

$Y_{xy}(43.1055, 0.2007, 0.2391)$

Have a look what the booklet for
Yxy(43.1055, 0.2007, 0.2391)
contains.

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Color

Yxy(43.3249, 0.2009, 0.2398)

Conversions

Conversions Part 1

Format	Color
Hex	13BCFF
RGB	19, 188, 255
RGB Percent	7%, 74%, 100%
CMY	0.9263, 0.2627, 0.0000
CMYK	0.93, 0.26, 0.00, 0.00
HSL	197°, 100%, 54%
HSV	197°, 93%, 100%
XYZ	36.2968, 43.3249, 101.0493
YIQ	145.1070, -122.2310, -14.9910

Conversions

Conversions Part 2

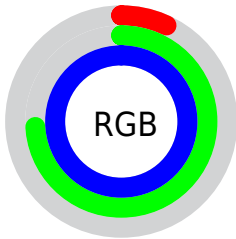
Format	Color
R _Y B	19, 117, 255
Decimal	1293567
CIE Lab	71.77, -15.59, -43.75
CIE LCh	72, 46.441, 250.391
Yxy	43.3249, 0.2009, 0.2398
Android (android.graphics.Color)	4279483647 (0xFF13BCFF)
YUV	145.1070, 54.1772, -110.5958
Hunter-Lab	65.8217, -16.7556, -44.9467

Details

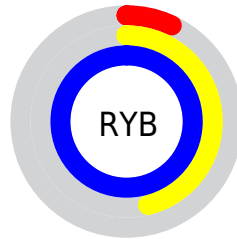
The Yxy color **43.3249, 0.2009, 0.2398** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed azure. A complement of this color would be **27.9235, 0.5859, 0.3663**, and the grayscale version is **28.1490, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.6344, 0.2406, 0.3159**, and **21.4052, 0.1948, 0.2211** is the 20% darker color. If you saturate the color by 10%, you get **40.9554, 0.1978, 0.2320**, and if you desaturate by 10%, it is **46.8994, 0.2066, 0.2506**.

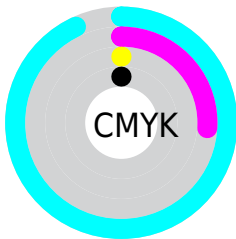
Distribution



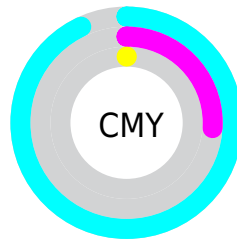
- Red (7%)
- Green (74%)
- Blue (100%)



- Red (7%)
- Yellow (46%)
- Blue (100%)



- Cyan (93%)
- Magenta (26%)
- Yellow (0%)
- Black (0%)





- Cyan (93%)
- Magenta (26%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.3249, 0.2009, 0.2398 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 43.3249, 0.2009, 0.2398 by changing the saturation by 10% instead.

 43.3249, 0.2009,
0.2398


 43.3249, 0.2009,
0.2398


359.9462, 0.2540,
0.2842


 30.1401, 0.1888,
0.2291


 80.2009, 0.2194,
0.2557

 19.9450, 0.1740,
0.2158

 104.6609, 0.2266,
0.2617


 12.3550, 0.1557,
0.1989


 133.6482, 0.2327,
0.2669

 6.9860, 0.1326,
0.1767

 167.5470, 0.2381,
0.2713

 3.4533, 0.1035,
0.1473

 206.7418, 0.2428,
0.2752

 1.3727, 0.0676,
0.1081

251.6170, 0.2470,

 0.1965, 0.0000,

0.2786

0.0339

302.5570, 0.2507,
0.2816

■ 0.0000, 0.0000,
0.0000

■ 43.3249, 0.2009,
0.2398

■ 43.3249, 0.2009,
0.2398

■ 40.9554, 0.1978,
0.2320

■ 46.8994, 0.2066,
0.2506

■ 50.9763, 0.2143,
0.2614

■ 55.6141, 0.2240,
0.2722

■ 60.8603, 0.2356,
0.2828

■ 66.7562, 0.2486,
0.2929

■ 73.3390, 0.2628,
0.3025

■ 80.6423, 0.2777,
0.3115

■ 88.6975, 0.2931,
0.3197

■ 97.5335, 0.3086,
0.3272

Harmonies

Analogous

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



43.3249, 0.1975, 0.2790



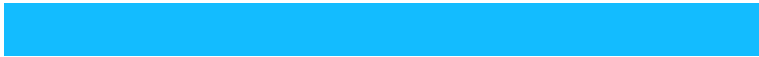
43.3249, 0.2009, 0.2398



43.3249, 0.2298, 0.2264

Triad

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



43.3249, 0.2009, 0.2398



43.3249, 0.4109, 0.3071



43.3249, 0.3322, 0.4482

Complementary

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



43.3249, 0.2009, 0.2398



27.9235, 0.5859, 0.3663

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.



43.3249, 0.3934, 0.4426



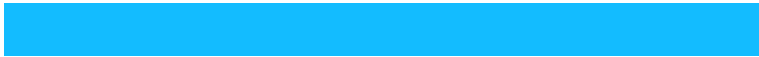
43.3249, 0.2009, 0.2398



43.3249, 0.4434, 0.3568

Square

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



43.3249, 0.2009, 0.2398



43.3249, 0.3491, 0.2645



43.3249, 0.4354, 0.4058



43.3249, 0.2691, 0.4093

Rectangle

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



43.3249, 0.2009, 0.2398



43.3249, 0.2623, 0.2303



43.3249, 0.4354, 0.4058



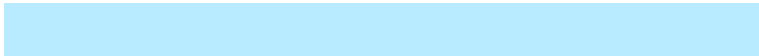
43.3249, 0.3537, 0.4511

Sweetspot

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



43.3264, 0.2009, 0.2398



76.6361, 0.2696, 0.3067



72.3182, 0.2883, 0.5532



15.7458, 0.2632, 0.3028



0.0000, 0.0000, 0.0000



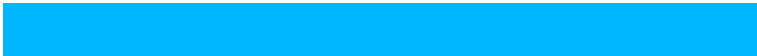
21.4041, 0.3127, 0.3290

Same Dimension

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



43.3264, 0.2009, 0.2398



40.9584, 0.1978, 0.2320



11.7317, 0.1601, 0.0916



19.5596, 0.2980, 0.3221



21.6685, 0.1983, 0.2338



2.2958, 0.2017, 0.2459

Inverse Universe

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



25.3483, 0.4021, 0.2017



24.6659, 0.4106, 0.2035



64.4021, 0.4590, 0.4700



18.2074, 0.3182, 0.3121



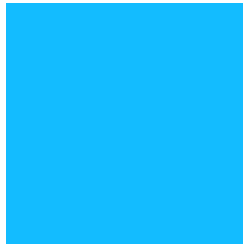
12.9154, 0.4087, 0.2025



1.2763, 0.3963, 0.1957

Previews

White Background



This preview shows how the Yxy color 43.3249, 0.2009, 0.2398 looks on a white background.

Color Contrast Check

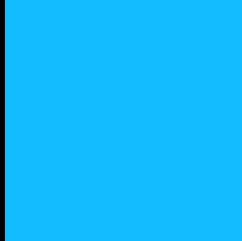
Large Text (above 18pt) WCAG AA × Fail

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 43.3249, 0.2009, 0.2398 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

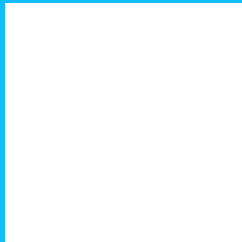
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 43.3249, 0.2009, 0.2398

Background



This preview shows how black text looks on a background with the Yxy color 43.3249, 0.2009, 0.2398.



This preview shows how white text looks on a background with the Yxy color 43.3249, 0.2009, 0.2398.

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

43.3249, 0.2009, 0.2398

Protanopia

42.6882, 0.2488, 0.2418

Deuteranopia

43.0676, 0.2345, 0.2295



Tritanopia

43.1870, 0.2184, 0.3062

Trichromacy



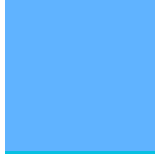
Original Color

43.3249, 0.2009, 0.2398



Protanomaly

41.4992, 0.2209, 0.2386



Deuteranomaly

41.9470, 0.2147, 0.2310



Tritanomaly

43.2354, 0.2115, 0.2799

Monochromacy



Original Color

43.3249, 0.2009, 0.2398



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

31.6452, 0.2447, 0.2906

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.3249, 0.2009, 0.2398 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, 188, 255)` looks like.

```
.text, #text, p{  
    color:rgb(19, 188, 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, 188, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 188, 255) }
```

Border

The CSS property to change the border of an element to Yxy 43.3249, 0.2009, 0.2398 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, 188, 255) }
```

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

```
.border{ border-color:rgb(19, 188, 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, 188, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 188, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 188, 255);  
box-shadow:4px 4px 4px 4px rgb(19, 188,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 43.3249, 0.2009, 0.2398 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 188, 255) }
```

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

```
.background{ background-color: rgb(19, 188,  
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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