

Converting Colors

$Yxy(43.5806, 0.2028, 0.2465)$

Have a look what the booklet for
Yxy(43.5806, 0.2028, 0.2465)
contains.

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Color

Yxy(43.4358, 0.2028, 0.2467)

Conversions

Conversions Part 1

Format	Color
Hex	12BDFA
RGB	18, 189, 250
RGB Percent	7%, 74%, 98%
CMY	0.9286, 0.2587, 0.0197
CMYK	0.93, 0.24, 0.00, 0.02
HSL	196°, 96%, 53%
HSV	196°, 93%, 98%
XYZ	35.7064, 43.4358, 96.9250
YIQ	144.8250, -121.4970, -17.2810

Conversions

Conversions Part 2

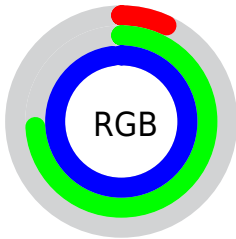
Format	Color
R _Y B	18, 116, 250
Decimal	1228282
CIE Lab	71.85, -17.89, -40.93
CIE LCh	72, 44.665, 246.395
Yxy	43.4358, 0.2028, 0.2467
Android (android.graphics.Color)	4279418362 (0xFF12BDFA)
YUV	144.8250, 51.8513, -111.2255
Hunter-Lab	65.9058, -18.6276, -41.0613

Details

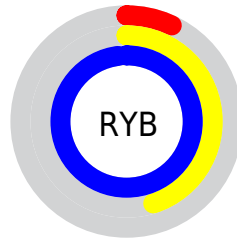
The Yxy color **43.4358, 0.2028, 0.2467** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed azure. A complement of this color would be **25.9780, 0.5906, 0.3624**, and the grayscale version is **28.0941, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.1697, 0.2405, 0.3171**, and **21.4586, 0.1971, 0.2295** is the 20% darker color. If you saturate the color by 10%, you get **41.2811, 0.1999, 0.2396**, and if you desaturate by 10%, it is **46.7178, 0.2082, 0.2566**.

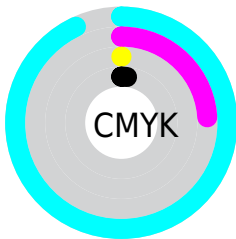
Distribution



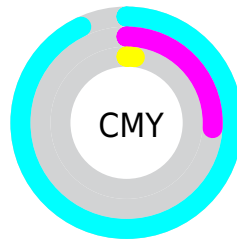
- Red (7%)
- Green (74%)
- Blue (98%)



- Red (7%)
- Yellow (45%)
- Blue (98%)



- Cyan (93%)
- Magenta (24%)
- Yellow (0%)
- Black (2%)



- Cyan (93%)
- Magenta (26%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 43.4358, 0.2028, 0.2467 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 43.4358, 0.2028, 0.2467 by changing the saturation by 10% instead.

43.4358, 0.2028,
0.2467

43.4358, 0.2028,
0.2467

360.4009, 0.2551,
0.2881

30.2272, 0.1908,
0.2366

80.3681, 0.2210,
0.2616

20.0111, 0.1762,
0.2240

104.8606, 0.2281,
0.2673

12.4031, 0.1579,
0.2077

133.8831, 0.2342,
0.2720

7.0188, 0.1348,
0.1862

167.8202, 0.2395,
0.2762

3.4739, 0.1055,
0.1572

207.0561, 0.2441,
0.2797

1.3839, 0.0688,
0.1176

251.9752, 0.2482,

0.2048, 0.0000,

0.2829

0.0392

302.9621, 0.2519,
0.2856

■ 0.0000, 0.0000,
0.0000

■ 43.4358, 0.2028,
0.2467

■ 43.4358, 0.2028,
0.2467

■ 41.2811, 0.1999,
0.2396

■ 46.7178, 0.2082,
0.2566

■ 50.4589, 0.2156,
0.2666

■ 54.7147, 0.2250,
0.2765

■ 59.5299, 0.2362,
0.2862

■ 64.9436, 0.2490,
0.2956

■ 70.9907, 0.2629,
0.3044

■ 77.7031, 0.2777,
0.3127

■ 85.1100, 0.2930,
0.3203

■ 93.2388, 0.3085,
0.3272

Harmonies

Analogous

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



43.4358, 0.2030, 0.2881



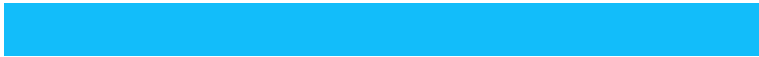
43.4358, 0.2028, 0.2467



43.4358, 0.2276, 0.2303

Triad

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



43.4358, 0.2028, 0.2467



43.4358, 0.4004, 0.3021



43.4358, 0.3402, 0.4449

Complementary

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



43.4358, 0.2028, 0.2467



25.9780, 0.5906, 0.3624

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.



43.4358, 0.3975, 0.4351



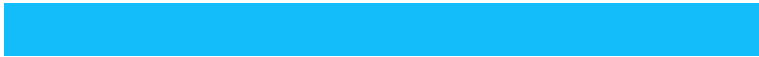
43.4358, 0.2028, 0.2467



43.4358, 0.4364, 0.3497

Square

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



43.4358, 0.2028, 0.2467



43.4358, 0.3390, 0.2621



43.4358, 0.4341, 0.3976



43.4358, 0.2785, 0.4130

Rectangle

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



43.4358, 0.2028, 0.2467



43.4358, 0.2572, 0.2321



43.4358, 0.4341, 0.3976



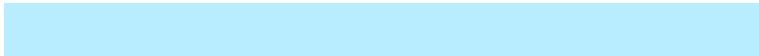
43.4358, 0.3606, 0.4459

Sweetspot

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



43.4373, 0.2028, 0.2467



77.4807, 0.2698, 0.3084



69.0115, 0.2905, 0.5608



15.9510, 0.2635, 0.3047



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.



43.4373, 0.2028, 0.2467



43.1612, 0.1999, 0.2395



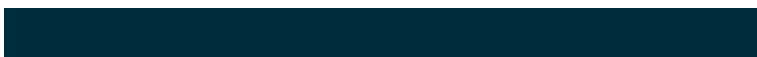
12.2200, 0.1620, 0.0985



18.7908, 0.2980, 0.3226



22.1484, 0.2003, 0.2412



2.2239, 0.2036, 0.2529

Inverse Universe

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



24.4342, 0.3951, 0.1978



24.8883, 0.4028, 0.1993



58.0779, 0.4664, 0.4640



17.4420, 0.3178, 0.3117



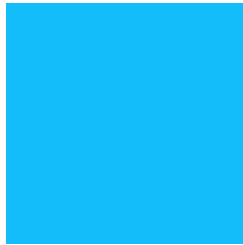
12.6468, 0.4011, 0.1983



1.1887, 0.3893, 0.1918

Previews

White Background



This preview shows how the Yxy color 43.4358, 0.2028, 0.2467 looks on a white background.

Color Contrast Check

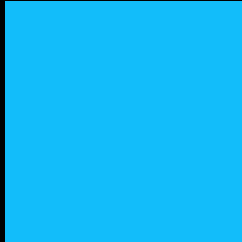
Large Text (above 18pt) WCAG AA × Fail

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 43.4358, 0.2028, 0.2467 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

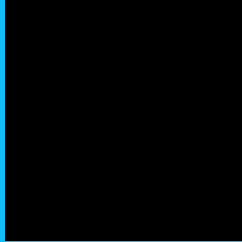
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

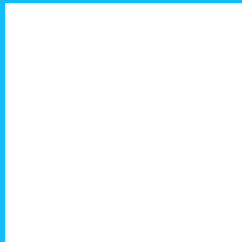
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 43.4358, 0.2028, 0.2467

Background



This preview shows how black text looks on a background with the Yxy color 43.4358, 0.2028, 0.2467.



This preview shows how white text looks on a background with the Yxy color 43.4358, 0.2028, 0.2467.

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

43.4259, 0.2028, 0.2466

Protanopia

42.6874, 0.2536, 0.2475

Deuteranopia

42.8825, 0.2365, 0.2296



Tritanopia

43.1870, 0.2184, 0.3062

Trichromacy



Original Color

43.4259, 0.2028, 0.2466



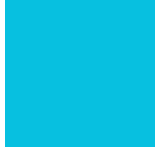
Protanomaly

41.3158, 0.2240, 0.2442



Deuteranomaly

41.9287, 0.2163, 0.2332



Tritanomaly

43.1263, 0.2122, 0.2825

Monochromacy



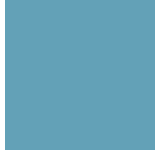
Original Color

43.4259, 0.2028, 0.2466



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

31.5613, 0.2459, 0.2936

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.4358, 0.2028, 0.2467 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(18, 189, 250)` looks like.

```
.text, #text, p{  
  color:rgb(18, 189, 250)  
}
```

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(18, 189, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 189, 250) }
```

Border

The CSS property to change the border of an element to Yxy 43.4358, 0.2028, 0.2467 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(18, 189, 250) }
```

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

```
.border{ border-color:rgb(18, 189, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 189, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 189, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 189, 250);  
box-shadow:4px 4px 4px 4px rgb(18, 189,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 43.4358, 0.2028, 0.2467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 189, 250) }
```

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

```
.background{ background-color: rgb(18, 189,  
250) }
```

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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