

Converting Colors

$Yxy(39.5247, 0.1989, 0.2263)$

Have a look what the booklet for
Yxy(39.5247, 0.1989, 0.2263)
contains.

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Color

Yxy(39.4359, 0.1988, 0.2260)

Conversions

Conversions Part 1

Format	Color
Hex	24B2FF
RGB	36, 178, 255
RGB Percent	14%, 70%, 100%
CMY	0.8595, 0.3019, 0.0001
CMYK	0.86, 0.30, 0.00, 0.00
HSL	201°, 100%, 57%
HSV	201°, 86%, 100%
XYZ	34.6896, 39.4359, 100.3696
YIQ	144.3200, -109.3490, -6.1570

Conversions

Conversions Part 2

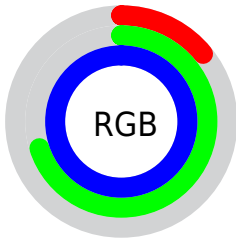
Format	Color
R _Y B	36, 122, 255
Decimal	2405119
CIE Lab	69.07, -9.34, -47.98
CIE LCh	69, 48.881, 258.981
Yxy	39.4359, 0.1988, 0.2260
Android (android.graphics.Color)	4280595199 (0xFF24B2FF)
YUV	144.3200, 54.5652, -94.9966
Hunter-Lab	62.7980, -11.2931, -50.8042

Details

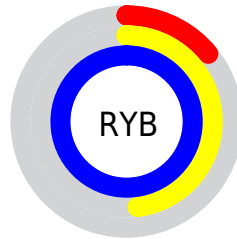
The Yxy color **39.4359, 0.1988, 0.2260** is a light color, and the websafe version is hex **3399CC**. The color can be described as light washed azure. A complement of this color would be **33.1458, 0.5507, 0.3848**, and the grayscale version is **27.8157, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.1306, 0.2399, 0.3040**, and **18.9989, 0.1902, 0.2047** is the 20% darker color. If you saturate the color by 10%, you get **35.6835, 0.1929, 0.2126**, and if you desaturate by 10%, it is **43.7487, 0.2068, 0.2397**.

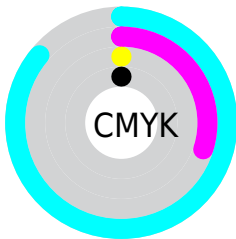
Distribution



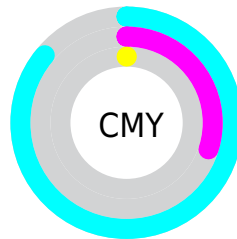
- Red (14%)
- Green (70%)
- Blue (100%)



- Red (14%)
- Yellow (48%)
- Blue (100%)



- Cyan (86%)
- Magenta (30%)
- Yellow (0%)
- Black (0%)





- Cyan (86%)
- Magenta (30%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.4359, 0.1988, 0.2260 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 39.4359, 0.1988, 0.2260 by changing the saturation by 10% instead.

 39.4359, 0.1988,
0.2260


 39.4359, 0.1988,
0.2260

343.7402, 0.2536,
0.2770

 27.0990, 0.1862,
0.2139


 74.3038, 0.2180,
0.2441

 17.6476, 0.1708,
0.1989


 97.6035, 0.2254,
0.2511

 10.6973, 0.1516,
0.1800


 125.3263, 0.2318,
0.2570

 5.8637, 0.1275,
0.1556

 157.8566, 0.2373,
0.2621

 2.7624, 0.0973,
0.1240

 195.5787, 0.2421,
0.2665

 1.0090, 0.0602,
0.0837

238.8771, 0.2464,

 0.0000, 0.0000,

0.2704

0.0000

288.1361, 0.2502,
0.2739

■ 39.4359, 0.1988,
0.2260

■ 39.4359, 0.1988,
0.2260

■ 35.6835, 0.1929,
0.2126

■ 43.7487, 0.2068,
0.2397

■ 34.2844, 0.1909,
0.2073

■ 48.6819, 0.2169,
0.2534

■ 54.2889, 0.2289,
0.2668

■ 60.6151, 0.2424,
0.2798

■ 67.7005, 0.2569,
0.2921

■ 75.5818, 0.2722,
0.3036

■ 84.2928, 0.2879,
0.3142

■ 93.8651, 0.3035,
0.3238

■ 99.9984, 0.3127,
0.3290

Harmonies

Analogous

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



39.4359, 0.1873, 0.2593



39.4359, 0.1988, 0.2260



39.4359, 0.2369, 0.2195

Triad

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



39.4359, 0.1988, 0.2260



39.4359, 0.4337, 0.3196



39.4359, 0.3128, 0.4523

Complementary

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



39.4359, 0.1988, 0.2260



33.1458, 0.5507, 0.3848

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.



39.4359, 0.3814, 0.4583



39.4359, 0.1988, 0.2260



39.4359, 0.4563, 0.3733

Square

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



39.4359, 0.1988, 0.2260



39.4359, 0.3730, 0.2714



39.4359, 0.4349, 0.4243



39.4359, 0.2479, 0.3972

Rectangle

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



39.4359, 0.1988, 0.2260



39.4359, 0.2761, 0.2281



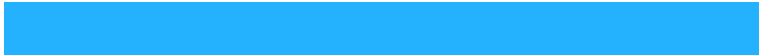
39.4359, 0.4349, 0.4243



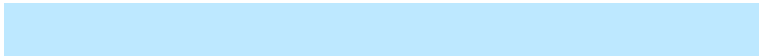
39.4359, 0.3362, 0.4600

Sweetspot

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



39.4372, 0.1988, 0.2260



75.5541, 0.2721, 0.3035



73.0581, 0.2816, 0.5219



15.5678, 0.2668, 0.2997



0.0000, 0.0000, 0.0000



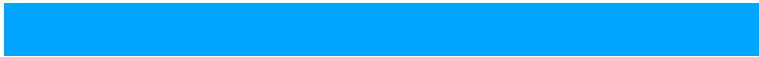
21.4041, 0.3127, 0.3290

Same Dimension

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



39.4372, 0.1988, 0.2260



34.2918, 0.1909, 0.2073



11.8104, 0.1625, 0.0919



19.3448, 0.2980, 0.3205



18.2093, 0.1915, 0.2095



1.9783, 0.1957, 0.2246

Inverse Universe

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



25.7219, 0.4155, 0.2142



23.9929, 0.4371, 0.2182



73.6794, 0.4405, 0.4794



18.1857, 0.3192, 0.3137



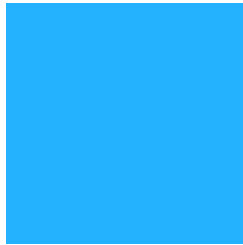
12.5662, 0.4347, 0.2168



1.2443, 0.4183, 0.2078

Previews

White Background



This preview shows how the Yxy color 39.4359, 0.1988, 0.2260 looks on a white background.

Color Contrast Check

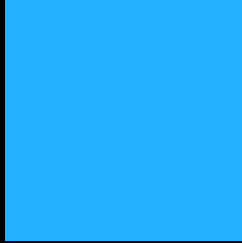
Large Text (above 18pt) WCAG AA × Fail

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 39.4359, 0.1988, 0.2260 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

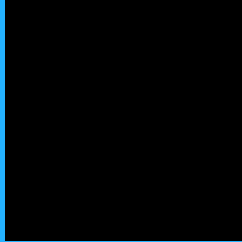
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

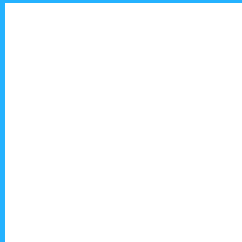
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 39.4359, 0.1988, 0.2260

Background



This preview shows how black text looks on a background with the Yxy color 39.4359, 0.1988, 0.2260.



This preview shows how white text looks on a background with the Yxy color 39.4359, 0.1988, 0.2260.

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

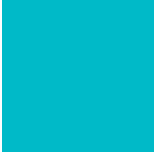
39.4359, 0.1988, 0.2260

Protanopia

39.1046, 0.2386, 0.2289

Deuteranopia

39.1425, 0.2240, 0.2182



Tritanopia

39.2879, 0.2186, 0.3069

Trichromacy



Original Color

39.4359, 0.1988, 0.2260

Protanomaly

38.4103, 0.2176, 0.2265

Deuteranomaly

38.6211, 0.2107, 0.2197

Tritanomaly

39.1198, 0.2102, 0.2739

Monochromacy



Original Color

39.4359, 0.1988, 0.2260

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

30.2409, 0.2478, 0.2842

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.4359, 0.1988, 0.2260 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(36, 178, 255)` looks like.

```
.text, #text, p{  
    color:rgb(36, 178, 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(36, 178, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 178, 255) }
```

Border

The CSS property to change the border of an element to Yxy 39.4359, 0.1988, 0.2260 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(36, 178, 255) }
```

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

```
.border{ border-color:rgb(36, 178, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 178, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 178, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 178, 255);  
box-shadow:4px 4px 4px 4px rgb(36, 178,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 39.4359, 0.1988, 0.2260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 178, 255) }
```

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

```
.background{ background-color: rgb(36, 178,  
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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