

Converting Colors

$Yxy(39.7328, 0.2056, 0.2253)$

Have a look what the booklet for
Yxy(39.7328, 0.2056, 0.2253)
contains.

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Color

Yxy(39.6103, 0.2054, 0.2249)

Conversions

Conversions Part 1

Format	Color
Hex	47B0FF
RGB	71, 176, 255
RGB Percent	28%, 69%, 100%
CMY	0.7213, 0.3098, 0.0000
CMYK	0.72, 0.31, 0.00, 0.00
HSL	206°, 100%, 64%
HSV	206°, 72%, 100%
XYZ	36.1759, 39.6103, 100.3379
YIQ	153.6110, -87.9390, 2.3090

Conversions

Conversions Part 2

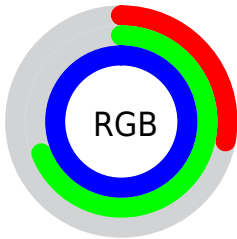
Format	Color
R_{YB}	71, 138, 255
Decimal	4698367
CIE _{Lab}	69.19, -4.85, -47.74
CIE _{LCh}	69, 47.990, 264.198
Yxy	39.6103, 0.2054, 0.2249
Android (android.graphics.Color)	4282888447 (0xFF47B0FF)
YUV	153.6110, 49.9848, -72.4498
Hunter-Lab	62.9367, -7.5379, -50.4683

Details

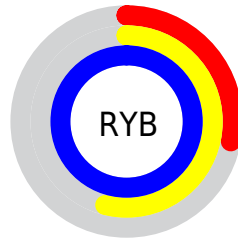
The Yxy color **39.6103, 0.2054, 0.2249** is a light color, and the websafe version is hex **0099FF**. The color can be described as light washed azure. A complement of this color would be **43.5480, 0.4916, 0.4017**, and the grayscale version is **31.9508, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.9473, 0.2471, 0.3009**, and **18.4925, 0.1892, 0.2011** is the 20% darker color. If you saturate the color by 10%, you get **34.7173, 0.1954, 0.2080**, and if you desaturate by 10%, it is **45.2567, 0.2174, 0.2418**.

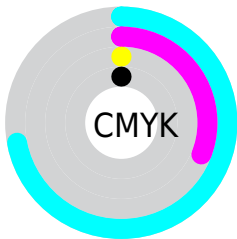
Distribution



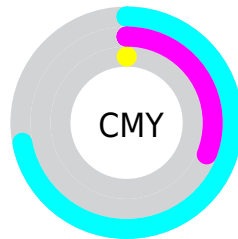
- Red (28%)
- Green (69%)
- Blue (100%)



- Red (28%)
- Yellow (54%)
- Blue (100%)



- Cyan (72%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)





- Cyan (72%)
- Magenta (31%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 39.6103, 0.2054, 0.2249 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 39.6103, 0.2054, 0.2249 by changing the saturation by 10% instead.

 39.6103, 0.2054,
0.2249


 39.6103, 0.2054,
0.2249

344.4783, 0.2573,
0.2760


 27.2348, 0.1934,
0.2129


 74.5697, 0.2236,
0.2430


 17.7497, 0.1786,
0.1980


 97.9225, 0.2307,
0.2499

 10.7704, 0.1601,
0.1792


 125.7031, 0.2367,
0.2559

 5.9127, 0.1367,
0.1551

 158.2960, 0.2419,
0.2610

 2.7920, 0.1068,
0.1238

196.0856, 0.2465,
0.2655

 1.0242, 0.0696,
0.0840

239.4562, 0.2505,

 0.0000, 0.0000,

0.2694

0.0000

288.7923, 0.2541,
0.2729

■ 39.6103, 0.2054,
0.2249

■ 39.6103, 0.2054,
0.2249

■ 34.7173, 0.1954,
0.2080

■ 45.2567, 0.2174,
0.2418

■ 30.5112, 0.1877,
0.1915

■ 51.7055, 0.2312,
0.2584

■ 27.6146, 0.1831,
0.1790

■ 59.0045, 0.2461,
0.2742

■ 67.1960, 0.2618,
0.2891

■ 76.3188, 0.2778,
0.3029

■ 86.4090, 0.2938,
0.3155

■ 97.5004, 0.3094,
0.3268

■ 99.9994, 0.3127,
0.3290

Harmonies

Analogous

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



39.6103, 0.1894, 0.2530



39.6103, 0.2054, 0.2249



39.6103, 0.2474, 0.2226

Triad

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



39.6103, 0.2054, 0.2249



39.6103, 0.4383, 0.3290



39.6103, 0.3011, 0.4434

Complementary

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



39.6103, 0.2054, 0.2249



43.5480, 0.4916, 0.4017

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.



39.6103, 0.3692, 0.4582



39.6103, 0.2054, 0.2249



39.6103, 0.4529, 0.3820

Square

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



39.6103, 0.2054, 0.2249



39.6103, 0.3840, 0.2800



39.6103, 0.4255, 0.4304



39.6103, 0.2398, 0.3831

Rectangle

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



39.6103, 0.2054, 0.2249



39.6103, 0.2883, 0.2335



39.6103, 0.4255, 0.4304



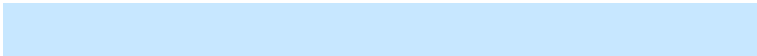
39.6103, 0.3240, 0.4540

Sweetspot

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



39.6116, 0.2054, 0.2249



76.4470, 0.2780, 0.3031



74.9852, 0.2752, 0.4724



15.8124, 0.2737, 0.2995



0.0000, 0.0000, 0.0000



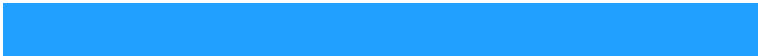
21.4041, 0.3127, 0.3290

Same Dimension

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



39.6116, 0.2054, 0.2249



32.5887, 0.1914, 0.1999



15.2815, 0.1771, 0.1127



19.0982, 0.2979, 0.3185



14.7329, 0.1838, 0.1816



1.6515, 0.1889, 0.1999

Inverse Universe

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



28.9086, 0.4133, 0.2328



24.8842, 0.4439, 0.2296



83.8368, 0.4183, 0.4775



18.1608, 0.3204, 0.3155



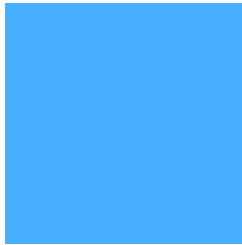
12.2153, 0.4667, 0.2344



1.2113, 0.4454, 0.2227

Previews

White Background



This preview shows how the Yxy color 39.6103, 0.2054, 0.2249 looks on a white background.

Color Contrast Check

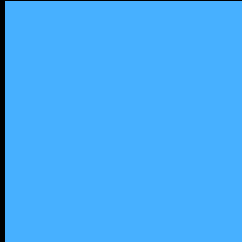
Large Text (above 18pt) WCAG AA × Fail

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 39.6103, 0.2054, 0.2249 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

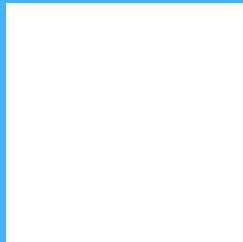
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 39.6103, 0.2054, 0.2249

Background



This preview shows how black text looks on a background with the Yxy color 39.6103, 0.2054, 0.2249.



This preview shows how white text looks on a background with the Yxy color 39.6103, 0.2054, 0.2249.

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

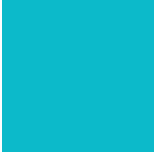
39.6103, 0.2054, 0.2249

Protanopia

39.2268, 0.2376, 0.2269

Deuteranopia

39.2174, 0.2245, 0.2184



Tritanopia

39.4602, 0.2185, 0.3039

Trichromacy



Original Color

39.6103, 0.2054, 0.2249

Protanomaly

38.9285, 0.2231, 0.2256

Deuteranomaly

38.9727, 0.2157, 0.2198

Tritanomaly

38.9997, 0.2115, 0.2713

Monochromacy



Original Color

39.6103, 0.2054, 0.2249

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

33.8873, 0.2580, 0.2854

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.6103, 0.2054, 0.2249 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(71, 176, 255)` looks like.

```
.text, #text, p{  
    color:rgb(71, 176, 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(71, 176, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 176, 255) }
```

Border

The CSS property to change the border of an element to Yxy 39.6103, 0.2054, 0.2249 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(71, 176, 255) }
```

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

```
.border{ border-color:rgb(71, 176, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 176, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 176, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 176, 255);  
box-shadow:4px 4px 4px 4px rgb(71, 176,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 39.6103, 0.2054, 0.2249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 176, 255) }
```

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

```
.background{ background-color: rgb(71, 176,  
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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