

Converting Colors

$Y_{xy}(39.1568, 0.2052, 0.2232)$

Have a look what the booklet for
Yxy(39.1568, 0.2052, 0.2232)
contains.

Yxy(39.2577, 0.2053, 0.2236)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(39.2577, 0.2053, 0.2236)

Conversions

Conversions Part 1

Format	Color
Hex	48AFFF
RGB	72, 175, 255
RGB Percent	28%, 69%, 100%
CMY	0.7180, 0.3137, 0.0001
CMYK	0.72, 0.31, 0.00, 0.00
HSL	206°, 100%, 64%
HSV	206°, 72%, 100%
XYZ	36.0447, 39.2577, 100.2687
YIQ	153.3230, -87.0680, 3.0440

Conversions

Conversions Part 2

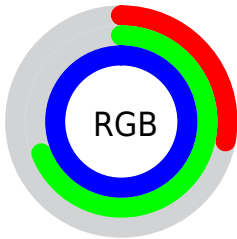
Format	Color
R _Y B	72, 138, 255
Decimal	4763647
CIE Lab	68.94, -4.20, -48.14
CIE LCh	69, 48.319, 265.017
Yxy	39.2577, 0.2053, 0.2236
Android (android.graphics.Color)	4282953727 (0xFF48AFFF)
YUV	153.3230, 50.1268, -71.3203
Hunter-Lab	62.6560, -6.9604, -51.0229

Details

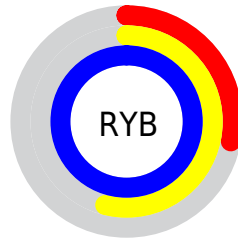
The Yxy color **39.2577, 0.2053, 0.2236** is a light color, and the websafe version is hex **0099FF**. The color can be described as light washed azure. A complement of this color would be **44.1426, 0.4893, 0.4029**, and the grayscale version is **31.8008, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.3891, 0.2469, 0.2997**, and **18.2431, 0.1887, 0.1993** is the 20% darker color. If you saturate the color by 10%, you get **34.3161, 0.1951, 0.2064**, and if you desaturate by 10%, it is **44.9654, 0.2175, 0.2408**.

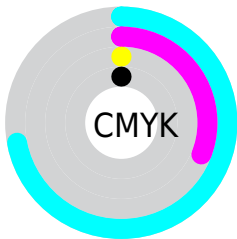
Distribution



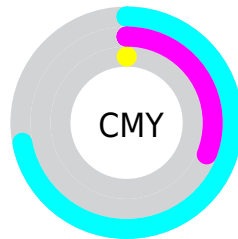
- Red (28%)
- Green (69%)
- Blue (100%)



- 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 39.2577, 0.2053, 0.2236 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 39.2577, 0.2053, 0.2236 by changing the saturation by 10% instead.


 39.2577, 0.2053,
0.2236


 39.2577, 0.2053,
0.2236


342.9849, 0.2573,
0.2753


 26.9603, 0.1932,
0.2114


 74.0318, 0.2236,
0.2419

 17.5434, 0.1784,
0.1964


 97.2773, 0.2306,
0.2489

 10.6227, 0.1598,
0.1774


 124.9409, 0.2367,
0.2549

 5.8137, 0.1363,
0.1531

 157.4071, 0.2419,
0.2601

 2.7321, 0.1063,
0.1217

195.0602, 0.2465,
0.2647

 0.9935, 0.0691,
0.0819

238.2845, 0.2505,

 0.0000, 0.0000,

0.2686

0.0000

287.4647, 0.2541,
0.2722

■ 39.2577, 0.2053,
0.2236

■ 39.2577, 0.2053,
0.2236

■ 34.3161, 0.1951,
0.2064

■ 44.9654, 0.2175,
0.2408

■ 30.0742, 0.1873,
0.1896

■ 51.4883, 0.2314,
0.2577

■ 27.0438, 0.1823,
0.1764

■ 58.8747, 0.2465,
0.2738

■ 67.1671, 0.2622,
0.2889

■ 76.4044, 0.2783,
0.3029

■ 86.6231, 0.2943,
0.3156

■ 97.8574, 0.3100,
0.3271

■ 99.9988, 0.3127,
0.3290

Harmonies

Analogous

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



39.2577, 0.1885, 0.2511



39.2577, 0.2053, 0.2236



39.2577, 0.2483, 0.2220

Triad

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



39.2577, 0.2053, 0.2236



39.2577, 0.4406, 0.3303



39.2577, 0.2991, 0.4435

Complementary

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



39.2577, 0.2053, 0.2236



44.1426, 0.4893, 0.4029

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.



39.2577, 0.3678, 0.4597



39.2577, 0.2053, 0.2236



39.2577, 0.4539, 0.3837

Square

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



39.2577, 0.2053, 0.2236



39.2577, 0.3865, 0.2807



39.2577, 0.4252, 0.4324



39.2577, 0.2376, 0.3816

Rectangle

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



39.2577, 0.2053, 0.2236



39.2577, 0.2899, 0.2334



39.2577, 0.4252, 0.4324



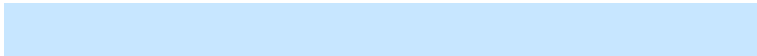
39.2577, 0.3221, 0.4547

Sweetspot

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



39.2590, 0.2053, 0.2236



76.2174, 0.2780, 0.3026



75.1249, 0.2739, 0.4674



15.7581, 0.2736, 0.2989



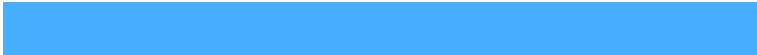
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



39.2590, 0.2053, 0.2236



32.4561, 0.1915, 0.1993



14.9532, 0.1769, 0.1107



19.0753, 0.2979, 0.3184



14.4360, 0.1831, 0.1790



1.6232, 0.1882, 0.1976

Inverse Universe

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



28.9764, 0.4145, 0.2342



25.0140, 0.4443, 0.2309



85.6910, 0.4160, 0.4792



18.1585, 0.3206, 0.3157



12.1853, 0.4697, 0.2361



1.2084, 0.4480, 0.2242

Previews

White Background



This preview shows how the Yxy color 39.2577, 0.2053, 0.2236 looks on a white background.

Color Contrast Check

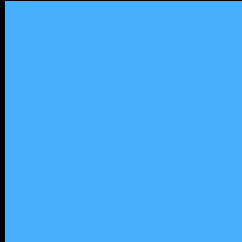
Large Text (above 18pt) WCAG AA × Fail

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 39.2577, 0.2053, 0.2236 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

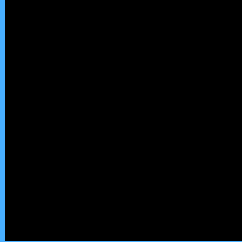
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

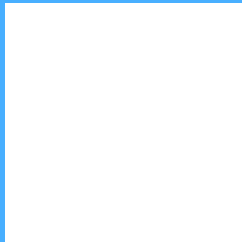
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 39.2577, 0.2053, 0.2236

Background



This preview shows how black text looks on a background with the Yxy color 39.2577, 0.2053, 0.2236.



This preview shows how white text looks on a background with the Yxy color 39.2577, 0.2053, 0.2236.

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

39.2577, 0.2053, 0.2236

Protanopia

38.7802, 0.2367, 0.2254

Deuteranopia

39.0684, 0.2235, 0.2181



Tritanopia

39.4364, 0.2192, 0.3054

Trichromacy



Original Color

39.2577, 0.2053, 0.2236

Protanomaly

38.4897, 0.2223, 0.2242

Deuteranomaly

38.9125, 0.2153, 0.2197

Tritanomaly

39.0514, 0.2120, 0.2714

Monochromacy



Original Color

39.2577, 0.2053, 0.2236

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

33.4925, 0.2585, 0.2852

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.2577, 0.2053, 0.2236 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(72, 175, 255)` looks like.

```
.text, #text, p{  
    color:rgb(72, 175, 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(72, 175, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 175, 255) }
```

Border

The CSS property to change the border of an element to Yxy 39.2577, 0.2053, 0.2236 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(72, 175, 255) }
```

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

```
.border{ border-color:rgb(72, 175, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 175, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 175, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 175, 255);  
box-shadow:4px 4px 4px 4px rgb(72, 175,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 39.2577, 0.2053, 0.2236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 175, 255) }
```

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

```
.background{ background-color: rgb(72, 175,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor