

Converting Colors

$Y_{xy}(38.2987, 0.2072, 0.2194)$

Have a look what the booklet for
Yxy(38.2987, 0.2072, 0.2194)
contains.

Yxy(38.1397, 0.2071, 0.2188)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(38.1397, 0.2071, 0.2188)

Conversions

Conversions Part 1

Format	Color
Hex	52ABFF
RGB	82, 171, 255
RGB Percent	32%, 67%, 100%
CMY	0.6780, 0.3295, 0.0000
CMYK	0.68, 0.33, 0.00, 0.00
HSL	209°, 100%, 66%
HSV	209°, 68%, 100%
XYZ	36.1002, 38.1397, 100.0731
YIQ	153.9650, -80.0080, 7.2560

Conversions

Conversions Part 2

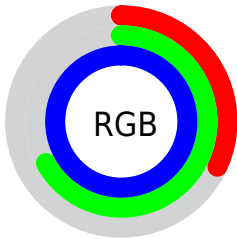
Format	Color
R _Y B	82, 141, 255
Decimal	5417983
CIE Lab	68.12, -0.50, -49.41
CIE LCh	68, 49.416, 269.418
Yxy	38.1397, 0.2071, 0.2188
Android (android.graphics.Color)	4283608063 (0xFF52ABFF)
YUV	153.9650, 49.8103, -63.1133
Hunter-Lab	61.7573, -3.7332, -52.8448

Details

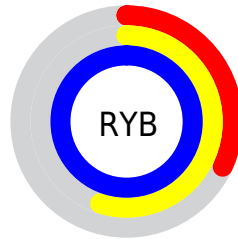
The Yxy color **38.1397, 0.2071, 0.2188** is a light color, and the websafe version is hex **0099FF**. The color can be described as light muted azure. A complement of this color would be **49.1889, 0.4697, 0.4094**, and the grayscale version is **32.1150, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.8158, 0.2493, 0.2951**, and **17.2709, 0.1867, 0.1920** is the 20% darker color. If you saturate the color by 10%, you get **32.7365, 0.1954, 0.1996**, and if you desaturate by 10%, it is **44.4079, 0.2208, 0.2380**.

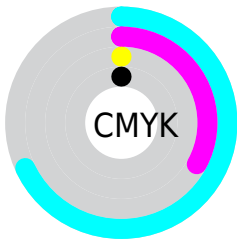
Distribution



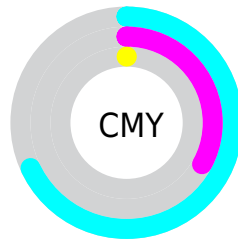
- Red (32%)
- Green (67%)
- Blue (100%)



- Red (32%)
- Yellow (55%)
- Blue (100%)



- Cyan (68%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)





- Cyan (68%)
- Magenta (33%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.1397, 0.2071, 0.2188 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 38.1397, 0.2071, 0.2188 by changing the saturation by 10% instead.

 38.1397, 0.2071,
0.2188


 38.1397, 0.2071,
0.2188


338.2189, 0.2586,
0.2726

 26.0911, 0.1951,
0.2062


 72.3222, 0.2253,
0.2378


 16.8918, 0.1803,
0.1907


 95.2249, 0.2322,
0.2451

 10.1574, 0.1617,
0.1712


 122.5145, 0.2382,
0.2514

 5.5034, 0.1381,
0.1464

 154.5753, 0.2434,
0.2568

 2.5456, 0.1079,
0.1146

191.7918, 0.2479,
0.2615

 0.8994, 0.0702,
0.0749

234.5483, 0.2519,

 0.0000, 0.0000,

0.2656

0.0000

283.2292, 0.2554,
0.2693

■ 38.1397, 0.2071,
0.2188

■ 38.1397, 0.2071,
0.2188

■ 32.7365, 0.1954,
0.1996

■ 44.4079, 0.2208,
0.2380

■ 28.1344, 0.1859,
0.1808

■ 51.5925, 0.2359,
0.2566

■ 24.2552, 0.1789,
0.1630

■ 59.7425, 0.2518,
0.2742

■ 23.4759, 0.1776,
0.1593

■ 68.9020, 0.2682,
0.2907

■ 79.1118, 0.2846,
0.3057

■ 90.4102, 0.3006,
0.3194

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



38.1397, 0.1859, 0.2426



38.1397, 0.2071, 0.2188



38.1397, 0.2549, 0.2208

Triad

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



38.1397, 0.2071, 0.2188



38.1397, 0.4497, 0.3379



38.1397, 0.2881, 0.4408

Complementary

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



38.1397, 0.2071, 0.2188



49.1889, 0.4697, 0.4094

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.



38.1397, 0.3590, 0.4650



38.1397, 0.2071, 0.2188



38.1397, 0.4564, 0.3927

Square

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



38.1397, 0.2071, 0.2188



38.1397, 0.3990, 0.2862



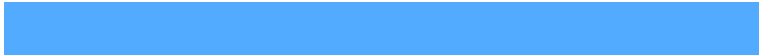
38.1397, 0.4211, 0.4412



38.1397, 0.2277, 0.3717

Rectangle

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



38.1397, 0.2071, 0.2188



38.1397, 0.2996, 0.2346



38.1397, 0.4211, 0.4412



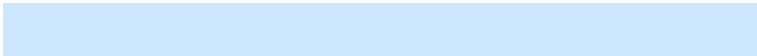
38.1397, 0.3115, 0.4549

Sweetspot

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



38.1404, 0.2071, 0.2188



76.7720, 0.2810, 0.3026



76.0602, 0.2707, 0.4465



15.8092, 0.2764, 0.2984



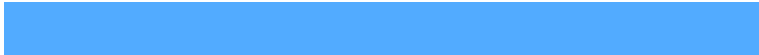
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



38.1404, 0.2071, 0.2188



31.1792, 0.1921, 0.1935



15.5152, 0.1815, 0.1136



18.9221, 0.2979, 0.3172



12.5670, 0.1784, 0.1621



1.4424, 0.1840, 0.1823

Inverse Universe

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



30.2516, 0.4179, 0.2449



25.7650, 0.4494, 0.2402



91.5662, 0.4069, 0.4800



18.1430, 0.3213, 0.3168



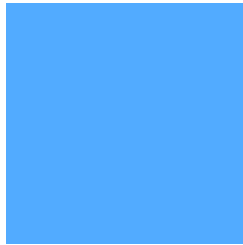
11.9966, 0.4905, 0.2476



1.1902, 0.4658, 0.2340

Previews

White Background



This preview shows how the Yxy color 38.1397, 0.2071, 0.2188 looks on a white background.

Color Contrast Check

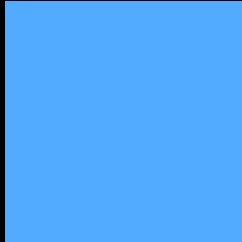
Large Text (above 18pt) WCAG AA × Fail

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 38.1397, 0.2071, 0.2188 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

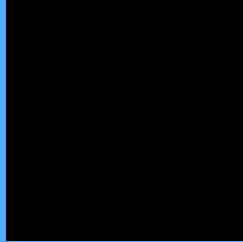
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

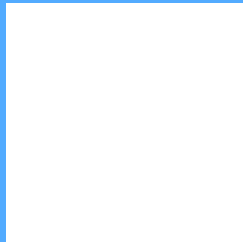
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.1397, 0.2071, 0.2188

Background



This preview shows how black text looks on a background with the Yxy color 38.1397, 0.2071, 0.2188.



This preview shows how white text looks on a background with the Yxy color 38.1397, 0.2071, 0.2188.

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

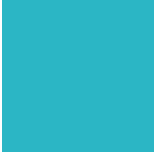
38.1397, 0.2071, 0.2188

Protanopia

37.7903, 0.2333, 0.2212

Deuteranopia

38.0522, 0.2209, 0.2149



Tritanopia

38.0007, 0.2233, 0.3052

Trichromacy



Original Color

38.1397, 0.2071, 0.2188

Protanomaly

37.5254, 0.2216, 0.2193

Deuteranomaly

37.9216, 0.2152, 0.2159

Tritanomaly

37.7726, 0.2161, 0.2697

Monochromacy



Original Color

38.1397, 0.2071, 0.2188

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

33.4924, 0.2606, 0.2826

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.1397, 0.2071, 0.2188 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(82, 171, 255)` looks like.

```
.text, #text, p{  
    color:rgb(82, 171, 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(82, 171, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 171, 255) }
```

Border

The CSS property to change the border of an element to Yxy 38.1397, 0.2071, 0.2188 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(82, 171, 255) }
```

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

```
.border{ border-color:rgb(82, 171, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 171, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 171, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 171, 255);  
box-shadow:4px 4px 4px 4px rgb(82, 171,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 38.1397, 0.2071, 0.2188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 171, 255) }
```

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

```
.background{ background-color: rgb(82, 171,  
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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