

Converting Colors

$Y_{xy}(38.6797, 0.2062, 0.2211)$

Have a look what the booklet for
Yxy(38.6797, 0.2062, 0.2211)
contains.

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Color

Yxy(38.6849, 0.2061, 0.2212)

Conversions

Conversions Part 1

Format	Color
Hex	4DADFF
RGB	77, 173, 255
RGB Percent	30%, 68%, 100%
CMY	0.6985, 0.3215, 0.0001
CMYK	0.70, 0.32, 0.00, 0.00
HSL	208°, 100%, 65%
HSV	208°, 70%, 100%
XYZ	36.0441, 38.6849, 100.1575
YIQ	153.6440, -83.5380, 5.1500

Conversions

Conversions Part 2

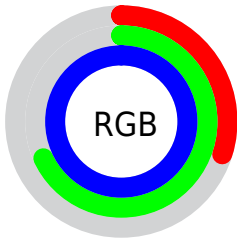
Format	Color
R _Y B	77, 139, 255
Decimal	5090815
CIE Lab	68.52, -2.41, -48.78
CIE LCh	69, 48.839, 267.172
Yxy	38.6849, 0.2061, 0.2212
Android (android.graphics.Color)	4283280895 (0xFF4DADFF)
YUV	153.6440, 49.9685, -67.2168
Hunter-Lab	62.1972, -5.4019, -51.9380

Details

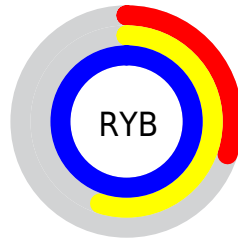
The Yxy color **38.6849, 0.2061, 0.2212** is a light color, and the websafe version is hex **0099FF**. The color can be described as light washed azure. A complement of this color would be **46.5353, 0.4796, 0.4062**, and the grayscale version is **31.9442, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.6361, 0.2483, 0.2974**, and **17.7520, 0.1877, 0.1956** is the 20% darker color. If you saturate the color by 10%, you get **33.5218, 0.1952, 0.2030**, and if you desaturate by 10%, it is **44.6610, 0.2190, 0.2394**.

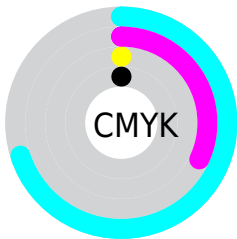
Distribution



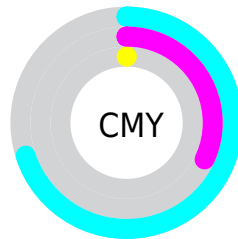
- Red (30%)
- Green (68%)
- Blue (100%)



- Red (30%)
- Yellow (55%)
- Blue (100%)



- Cyan (70%)
- Magenta (32%)
- Yellow (0%)
- Black (0%)





- Cyan (70%)
- Magenta (32%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.6849, 0.2061, 0.2212 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 38.6849, 0.2061, 0.2212 by changing the saturation by 10% instead.


 38.6849, 0.2061,
0.2212


 38.6849, 0.2061,
0.2212

340.5490, 0.2579,
0.2740


 26.5147, 0.1941,
0.2088


 73.1567, 0.2243,
0.2399


 17.2091, 0.1792,
0.1935


 96.2271, 0.2314,
0.2470

 10.3837, 0.1606,
0.1743


 123.6996, 0.2374,
0.2532

 5.6541, 0.1370,
0.1497

 155.9588, 0.2426,
0.2585

 2.6359, 0.1069,
0.1181

193.3889, 0.2472,
0.2631

 0.9447, 0.0695,
0.0783

236.3744, 0.2512,

 0.0000, 0.0000,

0.2671

0.0000

285.2996, 0.2547,
0.2707

■ 38.6849, 0.2061,
0.2212

■ 38.6849, 0.2061,
0.2212

■ 33.5218, 0.1952,
0.2030

■ 44.6610, 0.2190,
0.2394

■ 29.1060, 0.1866,
0.1853

■ 51.4994, 0.2335,
0.2571

■ 25.3450, 0.1801,
0.1684

■ 59.2489, 0.2490,
0.2739

■ 25.2905, 0.1800,
0.1681

■ 67.9524, 0.2651,
0.2897

■ 77.6499, 0.2814,
0.3042

■ 88.3785, 0.2974,
0.3174

99.9987, 0.3127,
0.3290

Harmonies

Analogous

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



38.6849, 0.1871, 0.2469



38.6849, 0.2061, 0.2212



38.6849, 0.2514, 0.2213

Triad

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



38.6849, 0.2061, 0.2212



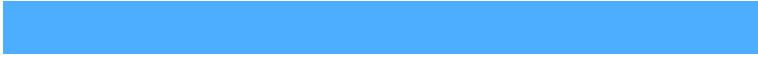
38.6849, 0.4451, 0.3340



38.6849, 0.2937, 0.4423

Complementary

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



38.6849, 0.2061, 0.2212



46.5353, 0.4796, 0.4062

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.



38.6849, 0.3636, 0.4624



38.6849, 0.2061, 0.2212



38.6849, 0.4553, 0.3881

Square

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



38.6849, 0.2061, 0.2212



38.6849, 0.3926, 0.2833



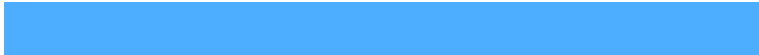
38.6849, 0.4233, 0.4367



38.6849, 0.2327, 0.3769

Rectangle

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



38.6849, 0.2061, 0.2212



38.6849, 0.2946, 0.2339



38.6849, 0.4233, 0.4367



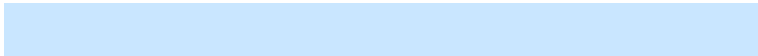
38.6849, 0.3170, 0.4549

Sweetspot

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



38.6862, 0.2061, 0.2212



76.4915, 0.2795, 0.3026



75.5159, 0.2729, 0.4590



15.7843, 0.2750, 0.2987



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.



38.6862, 0.2061, 0.2212



31.6056, 0.1913, 0.1956



15.4145, 0.1793, 0.1133



19.0022, 0.2979, 0.3178



13.5194, 0.1808, 0.1709



1.5350, 0.1862, 0.1903

Inverse Universe

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



29.5663, 0.4163, 0.2393



25.2467, 0.4480, 0.2353



87.7481, 0.4123, 0.4788



18.1511, 0.3209, 0.3162



12.0928, 0.4796, 0.2415



1.1995, 0.4564, 0.2288

Previews

White Background



This preview shows how the Yxy color 38.6849, 0.2061, 0.2212 looks on a white background.

Color Contrast Check

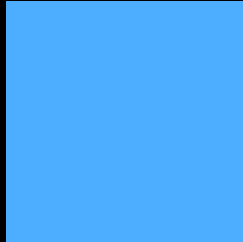
Large Text (above 18pt) WCAG AA × Fail

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 38.6849, 0.2061, 0.2212 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

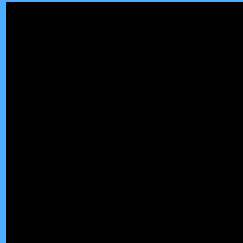
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

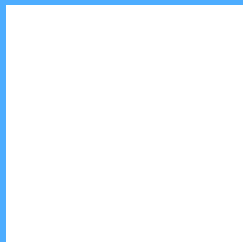
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.6849, 0.2061, 0.2212

Background



This preview shows how black text looks on a background with the Yxy color 38.6849, 0.2061, 0.2212.



This preview shows how white text looks on a background with the Yxy color 38.6849, 0.2061, 0.2212.

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

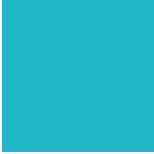
38.6849, 0.2061, 0.2212

Protanopia

38.3131, 0.2348, 0.2228

Deuteranopia

38.5574, 0.2222, 0.2165



Tritanopia

38.7116, 0.2212, 0.3053

Trichromacy



Original Color

38.6849, 0.2061, 0.2212

Protanomaly

38.2526, 0.2221, 0.2220

Deuteranomaly

38.5992, 0.2154, 0.2184

Tritanomaly

38.3854, 0.2143, 0.2712

Monochromacy



Original Color

38.6849, 0.2061, 0.2212

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

33.6869, 0.2593, 0.2840

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.6849, 0.2061, 0.2212 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(77, 173, 255)` looks like.

```
.text, #text, p{  
    color:rgb(77, 173, 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(77, 173, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 173, 255) }
```

Border

The CSS property to change the border of an element to Yxy 38.6849, 0.2061, 0.2212 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(77, 173, 255) }
```

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

```
.border{ border-color:rgb(77, 173, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 173, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 173, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 173, 255);  
box-shadow:4px 4px 4px 4px rgb(77, 173,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 38.6849, 0.2061, 0.2212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 173, 255) }
```

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

```
.background{ background-color: rgb(77, 173,  
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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