

Converting Colors

$Y_{xy}(38.7099, 0.2090, 0.2205)$

Have a look what the booklet for
Yxy(38.7099, 0.2090, 0.2205)
contains.

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Color

Yxy(38.7513, 0.2091, 0.2206)

Conversions

Conversions Part 1

Format	Color
Hex	57ACFF
RGB	87, 172, 255
RGB Percent	34%, 67%, 100%
CMY	0.6591, 0.3255, 0.0000
CMYK	0.66, 0.33, 0.00, 0.00
HSL	210°, 100%, 67%
HSV	210°, 66%, 100%
XYZ	36.7312, 38.7513, 100.1807
YIQ	156.0470, -77.3030, 7.7930

Conversions

Conversions Part 2

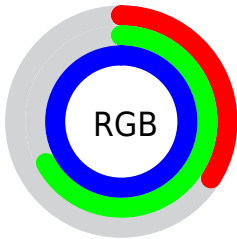
Format	Color
R _Y B	87, 143, 255
Decimal	5745919
CIE Lab	68.57, -0.33, -48.71
CIE LCh	69, 48.713, 269.609
Yxy	38.7513, 0.2091, 0.2206
Android (android.graphics.Color)	4283935999 (0xFF57ACFF)
YUV	156.0470, 48.7838, -60.5542
Hunter-Lab	62.2505, -3.6138, -51.8409

Details

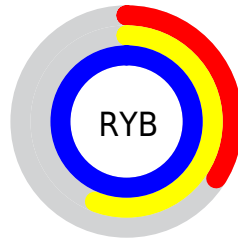
The Yxy color **38.7513, 0.2091, 0.2206** is a light color, and the websafe version is hex **3399FF**. The color can be described as light muted azure. A complement of this color would be **50.6630, 0.4632, 0.4094**, and the grayscale version is **33.0626, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.7375, 0.2514, 0.2965**, and **17.5102, 0.1872, 0.1938** is the 20% darker color. If you saturate the color by 10%, you get **33.1653, 0.1969, 0.2011**, and if you desaturate by 10%, it is **45.2225, 0.2232, 0.2400**.

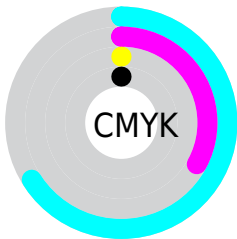
Distribution



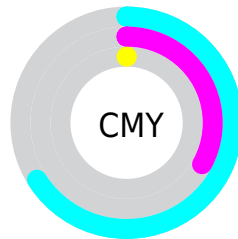
- Red (34%)
- Green (67%)
- Blue (100%)



- Red (34%)
- Yellow (56%)
- Blue (100%)



- Cyan (66%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)





- Cyan (66%)
- Magenta (33%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.7513, 0.2091, 0.2206 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 38.7513, 0.2091, 0.2206 by changing the saturation by 10% instead.


 38.7513, 0.2091,
0.2206


 38.7513, 0.2091,
0.2206


340.8320, 0.2596,
0.2735

 26.5663, 0.1973,
0.2082


 73.2582, 0.2269,
0.2393


 17.2478, 0.1828,
0.1930


 96.3490, 0.2338,
0.2464

 10.4113, 0.1645,
0.1738


 123.8437, 0.2396,
0.2526

 5.6725, 0.1412,
0.1494

 156.1269, 0.2447,
0.2579

 2.6470, 0.1114,
0.1179

193.5830, 0.2491,
0.2625

 0.9503, 0.0738,
0.0784

236.5962, 0.2530,

 0.0000, 0.0000,

0.2666

0.0000

285.5511, 0.2565,
0.2702

■ 38.7513, 0.2091,
0.2206

■ 38.7513, 0.2091,
0.2206

■ 33.1653, 0.1969,
0.2011

■ 45.2225, 0.2232,
0.2400

■ 28.4069, 0.1869,
0.1819

■ 52.6351, 0.2386,
0.2588

■ 24.4024, 0.1794,
0.1637

■ 61.0358, 0.2548,
0.2766

■ 22.9443, 0.1768,
0.1566

■ 70.4687, 0.2713,
0.2930

■ 80.9745, 0.2876,
0.3081

■ 92.5917, 0.3036,
0.3217

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.



38.7513, 0.1880, 0.2440



38.7513, 0.2091, 0.2206



38.7513, 0.2564, 0.2227

Triad

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



38.7513, 0.2091, 0.2206



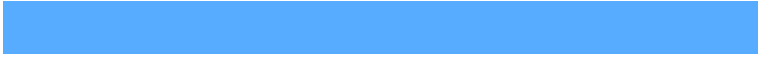
38.7513, 0.4472, 0.3384



38.7513, 0.2883, 0.4380

Complementary

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



38.7513, 0.2091, 0.2206



50.6630, 0.4632, 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.



38.7513, 0.3580, 0.4623



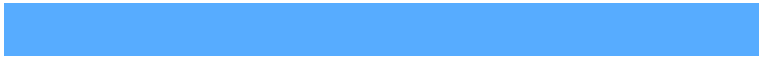
38.7513, 0.2091, 0.2206



38.7513, 0.4537, 0.3923

Square

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



38.7513, 0.2091, 0.2206



38.7513, 0.3978, 0.2873



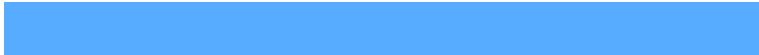
38.7513, 0.4190, 0.4396



38.7513, 0.2290, 0.3704

Rectangle

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



38.7513, 0.2091, 0.2206



38.7513, 0.3004, 0.2363



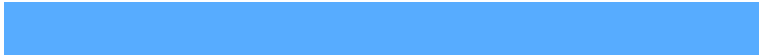
38.7513, 0.4190, 0.4396



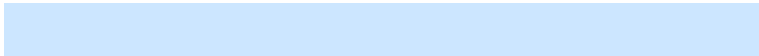
38.7513, 0.3113, 0.4520

Sweetspot

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



38.7503, 0.2091, 0.2206



76.5498, 0.2810, 0.3021



76.3754, 0.2710, 0.4427



15.7561, 0.2764, 0.2979



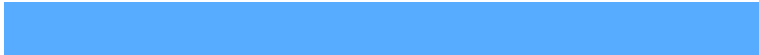
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



38.7503, 0.2091, 0.2206



31.6118, 0.1935, 0.1951



16.5076, 0.1848, 0.1191



18.8978, 0.2979, 0.3170



12.2883, 0.1776, 0.1595



1.4151, 0.1833, 0.1799

Inverse Universe

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



31.0421, 0.4153, 0.2475



26.2411, 0.4470, 0.2419



91.6924, 0.4051, 0.4773



18.1405, 0.3214, 0.3170



11.9685, 0.4938, 0.2494



1.1874, 0.4687, 0.2356

Previews

White Background



This preview shows how the Yxy color 38.7513, 0.2091, 0.2206 looks on a white background.

Color Contrast Check

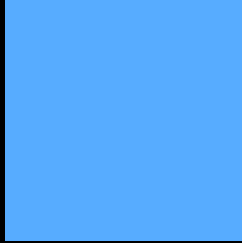
Large Text (above 18pt) WCAG AA × Fail

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 38.7513, 0.2091, 0.2206 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

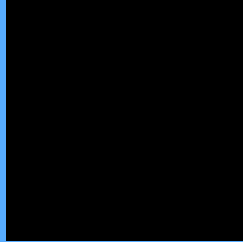
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

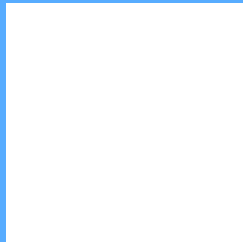
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.7513, 0.2091, 0.2206

Background



This preview shows how black text looks on a background with the Yxy color 38.7513, 0.2091, 0.2206.

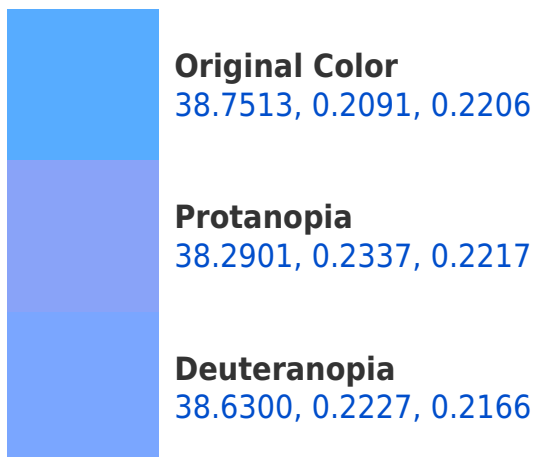


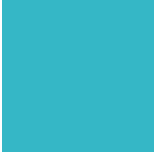
This preview shows how white text looks on a background with the Yxy color 38.7513, 0.2091, 0.2206.

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





Tritanopia

38.7011, 0.2257, 0.3055

Trichromacy



Original Color

38.7513, 0.2091, 0.2206

Protanomaly

38.1594, 0.2229, 0.2201

Deuteranomaly

38.4765, 0.2169, 0.2176

Tritanomaly

38.4785, 0.2183, 0.2703

Monochromacy



Original Color

38.7513, 0.2091, 0.2206

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

34.4717, 0.2625, 0.2846

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.7513, 0.2091, 0.2206 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(87, 172, 255)` looks like.

```
.text, #text, p{  
    color:rgb(87, 172, 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(87, 172, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 172, 255) }
```

Border

The CSS property to change the border of an element to Yxy 38.7513, 0.2091, 0.2206 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(87, 172, 255) }
```

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

```
.border{ border-color:rgb(87, 172, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 172, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 172, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 172, 255);  
box-shadow:4px 4px 4px 4px rgb(87, 172,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 38.7513, 0.2091, 0.2206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 172, 255) }
```

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

```
.background{ background-color: rgb(87, 172,  
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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