

Converting Colors

$Yxy(37.9720, 0.2150, 0.2374)$

Have a look what the booklet for
Yxy(37.9720, 0.2150, 0.2374)
contains.

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Color

Yxy(38.1568, 0.2148, 0.2375)

Conversions

Conversions Part 1

Format	Color
Hex	56ADF0
RGB	86, 173, 240
RGB Percent	34%, 68%, 94%
CMY	0.6628, 0.3216, 0.0588
CMYK	0.64, 0.28, 0.00, 0.06
HSL	206°, 84%, 64%
HSV	206°, 64%, 94%
XYZ	34.5098, 38.1568, 87.9936
YIQ	154.6250, -73.3590, 2.3930

Conversions

Conversions Part 2

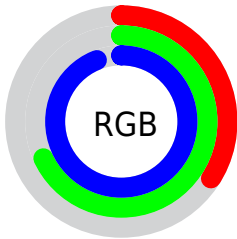
Format	Color
R _Y B	86, 142, 240
Decimal	5680624
CIE Lab	68.14, -5.95, -41.23
CIE LCh	68, 41.657, 261.783
Yxy	38.1568, 0.2148, 0.2375
Android (android.graphics.Color)	4283870704 (0xFF56ADF0)
YUV	154.6250, 42.0899, -60.1841
Hunter-Lab	61.7712, -8.3767, -41.2193

Details

The Yxy color **38.1568, 0.2148, 0.2375** is a light color, and the websafe version is hex **6699CC**. The color can be described as light muted azure. A complement of this color would be **41.9829, 0.4654, 0.3986**, and the grayscale version is **32.4393, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.0964, 0.2506, 0.2976**, and **17.1354, 0.1925, 0.2130** is the 20% darker color. If you saturate the color by 10%, you get **33.3542, 0.2031, 0.2204**, and if you desaturate by 10%, it is **43.6574, 0.2283, 0.2543**.

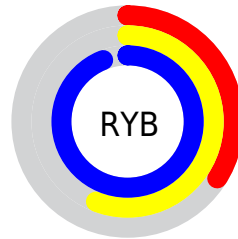
Distribution



Red (34%)

Green (68%)

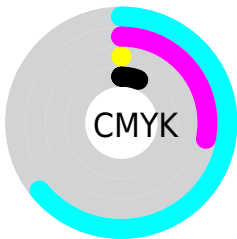
Blue (94%)



Red (34%)

Yellow (56%)

Blue (94%)

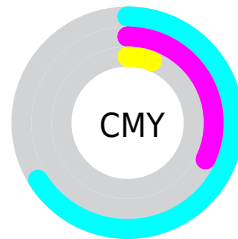


Cyan (64%)

Magenta (28%)

Yellow (0%)

Black (6%)



Cyan (66%)

Magenta (32%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.1568, 0.2148, 0.2375 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 38.1568, 0.2148, 0.2375 by changing the saturation by 10% instead.

■ 38.1568, 0.2148,
0.2375

■ 38.1568, 0.2148,
0.2375

338.2921, 0.2629,
0.2833

■ 26.1044, 0.2034,
0.2264

■ 72.3484, 0.2319,
0.2540

■ 16.9018, 0.1891,
0.2124

■ 95.2564, 0.2385,
0.2602

■ 10.1645, 0.1710,
0.1945

■ 122.5517, 0.2440,
0.2655

■ 5.5081, 0.1476,
0.1708

■ 154.6188, 0.2489,
0.2701

■ 2.5484, 0.1167,
0.1390

191.8420, 0.2531,
0.2740

■ 0.9008, 0.0760,
0.0963

234.6056, 0.2567,

■ 0.0000, 0.0000,

0.2775

0.0000

283.2942, 0.2600,
0.2806

■ 38.1568, 0.2148,
0.2375

■ 38.1568, 0.2148,
0.2375

■ 33.3542, 0.2031,
0.2204

■ 43.6574, 0.2283,
0.2543

■ 29.1985, 0.1934,
0.2033

■ 49.8933, 0.2431,
0.2705


■ 25.6347, 0.1861,
0.1868


■ 56.9033, 0.2586,
0.2858


■ 23.7847, 0.1826,
0.1775

■ 64.7217, 0.2746,
0.2999

■ 73.3802, 0.2906,
0.3128

 82.9086, 0.3063,
0.3245

 93.3351, 0.3215,
0.3349

 99.0720, 0.3214,
0.3434

Harmonies

Analogous

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



38.1568, 0.2023, 0.2655



38.1568, 0.2148, 0.2375



38.1568, 0.2511, 0.2331

Triad

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



38.1568, 0.2148, 0.2375



38.1568, 0.4203, 0.3263



38.1568, 0.3083, 0.4308

Complementary

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



38.1568, 0.2148, 0.2375



41.9829, 0.4654, 0.3986

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.



38.1568, 0.3685, 0.4418



38.1568, 0.2148, 0.2375



38.1568, 0.4368, 0.3740

Square

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



38.1568, 0.2148, 0.2375



38.1568, 0.3707, 0.2824



38.1568, 0.4163, 0.4171



38.1568, 0.2524, 0.3814

Rectangle

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



38.1568, 0.2148, 0.2375



38.1568, 0.2868, 0.2419



38.1568, 0.4163, 0.4171



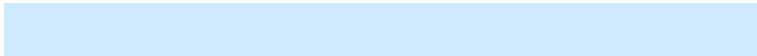
38.1568, 0.3287, 0.4392

Sweetspot

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



38.1581, 0.2148, 0.2375



79.2210, 0.2828, 0.3067



66.5971, 0.2751, 0.4498



16.3544, 0.2782, 0.3029



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.



38.1581, 0.2148, 0.2375



36.7286, 0.1999, 0.2151



16.6835, 0.1904, 0.1336



16.7106, 0.2980, 0.3185



13.2882, 0.1834, 0.1801



1.3030, 0.1893, 0.2014

Inverse Universe

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



28.1992, 0.3983, 0.2399



27.2382, 0.4249, 0.2315



75.6511, 0.4079, 0.4686



15.9085, 0.3205, 0.3157



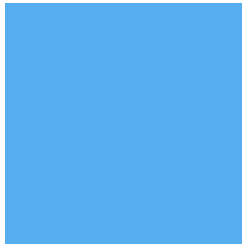
11.1348, 0.4685, 0.2354



0.9463, 0.4437, 0.2218

Previews

White Background



This preview shows how the Yxy color 38.1568, 0.2148, 0.2375 looks on a white background.

Color Contrast Check

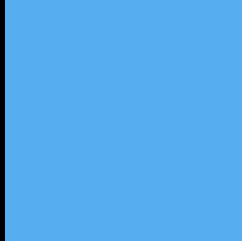
Large Text (above 18pt) WCAG AA × Fail

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 38.1568, 0.2148, 0.2375 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

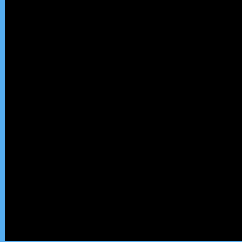
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

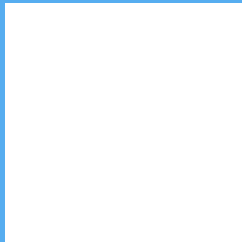
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.1568, 0.2148, 0.2375

Background



This preview shows how black text looks on a background with the Yxy color 38.1568, 0.2148, 0.2375.



This preview shows how white text looks on a background with the Yxy color 38.1568, 0.2148, 0.2375.

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

38.1568, 0.2148, 0.2375

Protanopia

37.9499, 0.2468, 0.2391

Deuteranopia

37.9483, 0.2345, 0.2283



Tritanopia

38.0900, 0.2288, 0.3055

Trichromacy



Original Color

38.1568, 0.2148, 0.2375

Protanomaly

37.8465, 0.2329, 0.2384

Deuteranomaly

37.7013, 0.2262, 0.2311

Tritanomaly

37.9338, 0.2230, 0.2782

Monochromacy



Original Color

38.1568, 0.2148, 0.2375

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

34.1317, 0.2659, 0.2929

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.1568, 0.2148, 0.2375 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(86, 173, 240)` looks like.

```
.text, #text, p{  
    color:rgb(86, 173, 240)  
}
```

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(86, 173, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 173, 240) }
```

Border

The CSS property to change the border of an element to Yxy 38.1568, 0.2148, 0.2375 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(86, 173, 240) }
```

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

```
.border{ border-color:rgb(86, 173, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 173, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 173, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 173, 240);  
box-shadow:4px 4px 4px 4px rgb(86, 173,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 38.1568, 0.2148, 0.2375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 173, 240) }
```

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

```
.background{ background-color: rgb(86, 173,  
240) }
```

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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