

Converting Colors

$Y_{xy}(38.9058, 0.2329, 0.2760)$

Have a look what the booklet for
Yxy(38.9058, 0.2329, 0.2760)
contains.

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Color

Yxy(38.8407, 0.2325, 0.2754)

Conversions

Conversions Part 1

Format	Color
Hex	61B1D6
RGB	97, 177, 214
RGB Percent	38%, 69%, 84%
CMY	0.6197, 0.3059, 0.1607
CMYK	0.55, 0.17, 0.00, 0.16
HSL	199°, 59%, 61%
HSV	199°, 55%, 84%
XYZ	32.7904, 38.8407, 69.4027
YIQ	157.2980, -59.5570, -5.4530

Conversions

Conversions Part 2

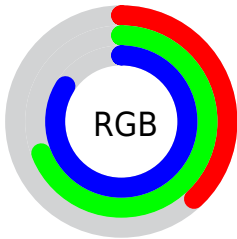
Format	Color
R _Y B	97, 145, 214
Decimal	6402518
CIE Lab	68.64, -14.13, -26.20
CIE LCh	69, 29.767, 241.654
Yxy	38.8407, 0.2325, 0.2754
Android (android.graphics.Color)	4284592598 (0xFF61B1D6)
YUV	157.2980, 27.9541, -52.8813
Hunter-Lab	62.3223, -15.1478, -22.4003

Details

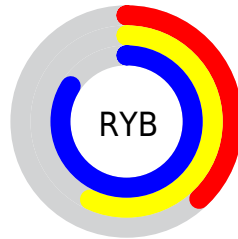
The Yxy color **38.8407, 0.2325, 0.2754** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **32.2151, 0.4461, 0.3740**, and the grayscale version is **33.7495, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.4664, 0.2545, 0.3038**, and **17.1945, 0.2103, 0.2583** is the 20% darker color. If you saturate the color by 10%, you get **35.2124, 0.2209, 0.2636**, and if you desaturate by 10%, it is **42.9216, 0.2456, 0.2868**.

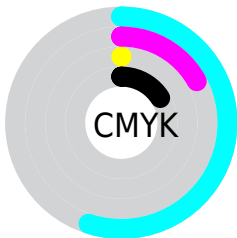
Distribution



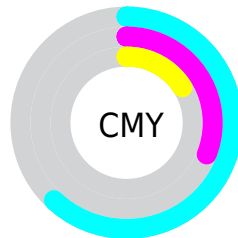
- Red (38%)
- Green (69%)
- Blue (84%)



- Red (38%)
- Yellow (57%)
- Blue (84%)



- Cyan (55%)
- Magenta (17%)
- Yellow (0%)
- Black (16%)




- Cyan (62%)
- Magenta (31%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.8407, 0.2325, 0.2754 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 38.8407, 0.2325, 0.2754 by changing the saturation by 10% instead.


 38.8407, 0.2325,
0.2754


 38.8407, 0.2325,
0.2754


341.2127, 0.2724,
0.3034

 26.6358, 0.2227,
0.2682


 73.3949, 0.2469,
0.2858

 17.2999, 0.2104,
0.2588


 96.5130, 0.2523,
0.2896

 10.4485, 0.1943,
0.2461


 124.0377, 0.2569,
0.2928

 5.6974, 0.1727,
0.2284

 156.3532, 0.2609,
0.2956

 2.6619, 0.1425,
0.2021

193.8441, 0.2643,
0.2979

 0.9579, 0.0951,
0.1615

236.8948, 0.2674,

 0.0000, 0.0000,

0.3000

0.0000

285.8895, 0.2700,
0.3018

■ 38.8407, 0.2325,
0.2754

■ 38.8407, 0.2325,
0.2754

■ 35.2124, 0.2209,
0.2636

■ 42.9216, 0.2456,
0.2868

■ 32.0044, 0.2110,
0.2515

■ 47.4760, 0.2598,
0.2976

■ 29.1858, 0.2031,
0.2394

■ 52.5282, 0.2748,
0.3076

■ 26.7178, 0.1973,
0.2275

■ 58.0992, 0.2901,
0.3169

■ 25.5139, 0.1948,
0.2212

■ 64.2089, 0.3055,
0.3253

70.8759, 0.3208,
0.3329

78.1176, 0.3357,
0.3397

83.3596, 0.3406,
0.3462

87.2266, 0.3395,
0.3528

Harmonies

Analogous

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



38.8407, 0.2361, 0.3083



38.8407, 0.2325, 0.2754



38.8407, 0.2482, 0.2593

Triad

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



38.8407, 0.2325, 0.2754



38.8407, 0.3675, 0.3056



38.8407, 0.3405, 0.4085

Complementary

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



38.8407, 0.2325, 0.2754



32.2151, 0.4461, 0.3740

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.



38.8407, 0.3785, 0.4011



38.8407, 0.2325, 0.2754



38.8407, 0.3957, 0.3404

Square

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



38.8407, 0.2325, 0.2754



38.8407, 0.3244, 0.2772



38.8407, 0.3995, 0.3750



38.8407, 0.2966, 0.3903

Rectangle

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



38.8407, 0.2325, 0.2754



38.8407, 0.2683, 0.2583



38.8407, 0.3995, 0.3750



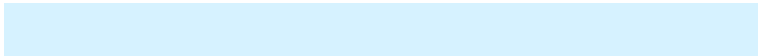
38.8407, 0.3544, 0.4087

Sweetspot

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



38.8421, 0.2325, 0.2754



85.1065, 0.2878, 0.3156



52.3147, 0.2866, 0.4522



17.8390, 0.2846, 0.3137



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.



38.8421, 0.2325, 0.2754



51.3616, 0.2188, 0.2612



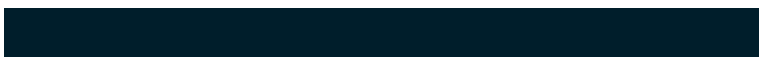
20.9248, 0.2144, 0.1882



13.4144, 0.2982, 0.3215



15.6120, 0.1953, 0.2229



1.0873, 0.2010, 0.2434

Inverse Universe

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



26.0211, 0.3616, 0.2355



32.2809, 0.3770, 0.2202



52.2573, 0.4052, 0.4372



12.5627, 0.3186, 0.3132



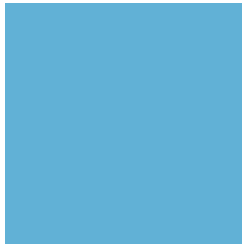
9.9209, 0.4201, 0.2088



0.6131, 0.3988, 0.1971

Previews

White Background



This preview shows how the Yxy color 38.8407, 0.2325, 0.2754 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 38.8407, 0.2325, 0.2754 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 38.8407, 0.2325, 0.2754

Background



This preview shows how black text looks on a background with the Yxy color 38.8407, 0.2325, 0.2754.

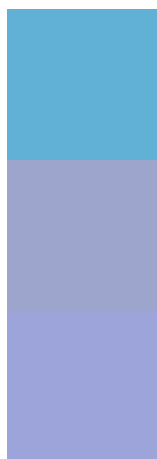


This preview shows how white text looks on a background with the Yxy color 38.8407, 0.2325, 0.2754.

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

38.8407, 0.2325, 0.2754

Protanopia

38.4861, 0.2741, 0.2748

Deuteranopia

38.6286, 0.2649, 0.2590



Tritanopia

38.7563, 0.2399, 0.3060

Trichromacy



Original Color

38.8407, 0.2325, 0.2754

Protanomaly

38.0809, 0.2562, 0.2744

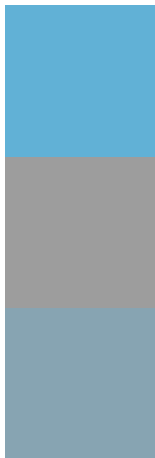
Deuteranomaly

38.4847, 0.2513, 0.2645

Tritanomaly

38.8316, 0.2374, 0.2945

Monochromacy



Original Color

38.8407, 0.2325, 0.2754

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

34.9162, 0.2760, 0.3078

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.8407, 0.2325, 0.2754 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(97, 177, 214)` looks like.

```
.text, #text, p{  
    color:rgb(97, 177, 214)  
}
```

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(97, 177, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 177, 214) }
```

Border

The CSS property to change the border of an element to Yxy 38.8407, 0.2325, 0.2754 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(97, 177, 214) }
```

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

```
.border{ border-color:rgb(97, 177, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 177, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 177, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 177, 214);  
box-shadow:4px 4px 4px 4px rgb(97, 177,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 38.8407, 0.2325, 0.2754 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 177, 214) }
```

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

```
.background{ background-color: rgb(97, 177,  
214) }
```

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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