

Converting Colors

$Y_{xy}(38.5608, 0.2314, 0.2864)$

Have a look what the booklet for
Yxy(38.5608, 0.2314, 0.2864)
contains.

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Color

Yxy(38.7236, 0.2316, 0.2873)

Conversions

Conversions Part 1

Format	Color
Hex	56B3CF
RGB	86, 179, 207
RGB Percent	34%, 70%, 81%
CMY	0.6628, 0.2980, 0.1883
CMYK	0.58, 0.14, 0.00, 0.19
HSL	194°, 56%, 57%
HSV	194°, 58%, 81%
XYZ	31.2161, 38.7236, 64.8448
YIQ	154.3850, -64.4160, -11.0080

Conversions

Conversions Part 2

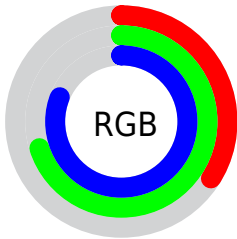
Format	Color
RYB	86, 139, 207
Decimal	5682127
CIELab	68.55, -19.47, -22.49
CIELCh	69, 29.748, 229.118
Yxy	38.7236, 0.2316, 0.2873
Android (android.graphics.Color)	4283872207 (0xFF56B3CF)
YUV	154.3850, 25.9392, -59.9736
Hunter-Lab	62.2283, -19.3570, -18.2232

Details

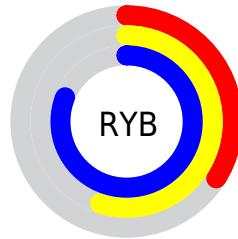
The Yxy color **38.7236, 0.2316, 0.2873** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **25.9563, 0.4679, 0.3634**, and the grayscale version is **32.3958, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.6564, 0.2502, 0.3058**, and **17.2216, 0.2090, 0.2725** is the 20% darker color. If you saturate the color by 10%, you get **35.9963, 0.2218, 0.2788**, and if you desaturate by 10%, it is **41.8047, 0.2430, 0.2955**.

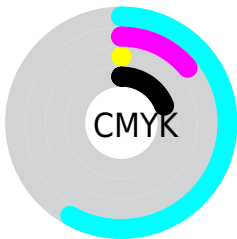
Distribution



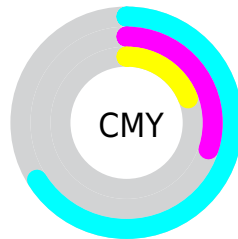
- Red (34%)
- Green (70%)
- Blue (81%)



- Red (34%)
- Yellow (55%)
- Blue (81%)



- Cyan (58%)
- Magenta (14%)
- Yellow (0%)
- Black (19%)



- Cyan (66%)
- Magenta (30%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.7236, 0.2316, 0.2873 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 38.7236, 0.2316, 0.2873 by changing the saturation by 10% instead.

■ 38.7236, 0.2316,
0.2873

■ 38.7236, 0.2316,
0.2873

■ 340.7139, 0.2720,
0.3096

■ 26.5448, 0.2217,
0.2814

■ 73.2159, 0.2462,
0.2957

■ 17.2316, 0.2091,
0.2735

■ 96.2981, 0.2517,
0.2988

■ 10.3998, 0.1927,
0.2628

■ 123.7836, 0.2563,
0.3013

■ 5.6648, 0.1706,
0.2474

■ 156.0568, 0.2604,
0.3035

■ 2.6424, 0.1396,
0.2237

■ 193.5020, 0.2638,
0.3053

■ 0.9480, 0.0836,
0.1866

■ 236.5037, 0.2669,

■ 0.0000, 0.0000,

0.3069

0.0000

285.4462, 0.2696,
0.3083

■ 38.7236, 0.2316,
0.2873

■ 38.7236, 0.2316,
0.2873

■ 35.9963, 0.2218,
0.2788

■ 41.8047, 0.2430,
0.2955

■ 33.5925, 0.2140,
0.2703

■ 45.2582, 0.2559,
0.3034

■ 31.4831, 0.2081,
0.2617

■ 49.1063, 0.2699,
0.3108

■ 29.6218, 0.2039,
0.2533

■ 53.3681, 0.2846,
0.3177

■ 29.3466, 0.2033,
0.2520

■ 58.0612, 0.2997,
0.3241

■ 63.2020, 0.3151,
0.3299

■ 68.8062, 0.3303,
0.3350

■ 74.8885, 0.3453,
0.3397

■ 78.0415, 0.3470,
0.3444

Harmonies

Analogous

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



38.7236, 0.2434, 0.3258



38.7236, 0.2316, 0.2873



38.7236, 0.2393, 0.2638

Triad

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



38.7236, 0.2316, 0.2873



38.7236, 0.3505, 0.2926



38.7236, 0.3578, 0.4083

Complementary

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



38.7236, 0.2316, 0.2873



25.9563, 0.4679, 0.3634

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.



38.7236, 0.3900, 0.3919



38.7236, 0.2316, 0.2873



38.7236, 0.3866, 0.3255

Square

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



38.7236, 0.2316, 0.2873



38.7236, 0.3055, 0.2686



38.7236, 0.4012, 0.3610



38.7236, 0.3149, 0.4011

Rectangle

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



38.7236, 0.2316, 0.2873



38.7236, 0.2548, 0.2580



38.7236, 0.4012, 0.3610



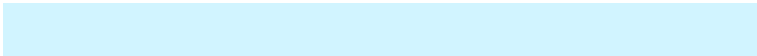
38.7236, 0.3703, 0.4051

Sweetspot

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



38.7250, 0.2316, 0.2873



85.7265, 0.2849, 0.3179



47.7659, 0.2910, 0.4781



17.9022, 0.2805, 0.3159



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.



38.7250, 0.2316, 0.2873



56.7391, 0.2198, 0.2768



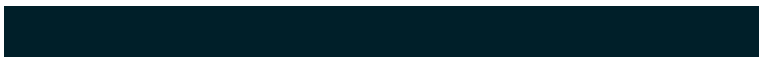
19.9774, 0.2110, 0.1929



12.9244, 0.2983, 0.3235



18.6440, 0.2037, 0.2532



1.1581, 0.2080, 0.2687

Inverse Universe

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



23.1694, 0.3524, 0.2196



31.3399, 0.3638, 0.2037



43.7035, 0.4187, 0.4327



11.9604, 0.3173, 0.3113



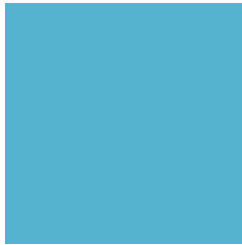
9.9534, 0.3891, 0.1917



0.5682, 0.3741, 0.1834

Previews

White Background



This preview shows how the Yxy color 38.7236, 0.2316, 0.2873 looks on a white background.

Color Contrast Check

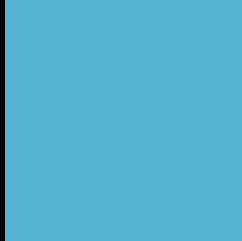
Large Text (above 18pt) WCAG AA × Fail

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 38.7236, 0.2316, 0.2873 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

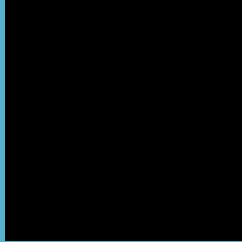
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.7236, 0.2316, 0.2873

Background



This preview shows how black text looks on a background with the Yxy color 38.7236, 0.2316, 0.2873.



This preview shows how white text looks on a background with the Yxy color 38.7236, 0.2316, 0.2873.

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

38.7236, 0.2316, 0.2873

Protanopia

38.4151, 0.2824, 0.2852

Deuteranopia

38.2185, 0.2719, 0.2663



Tritanopia

38.7826, 0.2357, 0.3059

Trichromacy



Original Color

38.7236, 0.2316, 0.2873

Protanomaly

37.9530, 0.2595, 0.2847

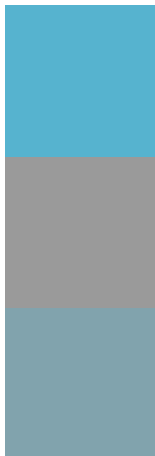
Deuteranomaly

37.8849, 0.2536, 0.2728

Tritanomaly

38.6516, 0.2341, 0.2985

Monochromacy



Original Color

38.7236, 0.2316, 0.2873

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

33.8786, 0.2747, 0.3135

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.7236, 0.2316, 0.2873 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, 179, 207)` looks like.

```
.text, #text, p{  
    color:rgb(86, 179, 207)  
}
```

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, 179, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 179, 207) }
```

Border

The CSS property to change the border of an element to Yxy 38.7236, 0.2316, 0.2873 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, 179, 207) }
```

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

```
.border{ border-color:rgb(86, 179, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 179, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 179, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 179, 207);  
box-shadow:4px 4px 4px 4px rgb(86, 179,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 38.7236, 0.2316, 0.2873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 179, 207) }
```

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

```
.background{ background-color: rgb(86, 179,  
207) }
```

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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