

Converting Colors

$Y_{xy}(38.2550, 0.2400, 0.2877)$

Have a look what the booklet for
Yxy(38.2550, 0.2400, 0.2877)
contains.

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Color

Yxy(38.2351, 0.2399, 0.2876)

Conversions

Conversions Part 1

Format	Color
Hex	66B0CC
RGB	102, 176, 204
RGB Percent	40%, 69%, 80%
CMY	0.6004, 0.3097, 0.2001
CMYK	0.50, 0.14, 0.00, 0.20
HSL	196°, 50%, 60%
HSV	196°, 50%, 80%
XYZ	31.8936, 38.2351, 62.8167
YIQ	157.0660, -53.0920, -6.9800

Conversions

Conversions Part 2

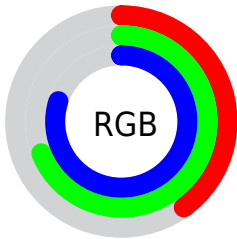
Format	Color
R _Y B	102, 145, 204
Decimal	6729932
CIE Lab	68.19, -15.45, -21.33
CIE LCh	68, 26.343, 234.082
Yxy	38.2351, 0.2399, 0.2876
Android (android.graphics.Color)	4284920012 (0xFF66B0CC)
YUV	157.0660, 23.1385, -48.2929
Hunter-Lab	61.8345, -16.1420, -16.9476

Details

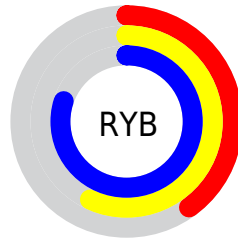
The Yxy color **38.2351, 0.2399, 0.2876** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **29.7221, 0.4331, 0.3651**, and the grayscale version is **33.6503, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.3042, 0.2563, 0.3027**, and **16.8602, 0.2191, 0.2728** is the 20% darker color. If you saturate the color by 10%, you get **35.0423, 0.2281, 0.2777**, and if you desaturate by 10%, it is **41.8141, 0.2530, 0.2971**.

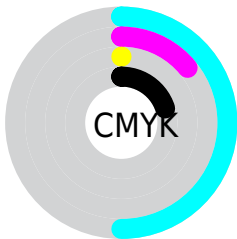
Distribution



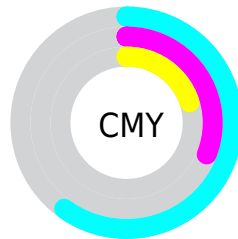
- Red (40%)
- Green (69%)
- Blue (80%)



- Red (40%)
- Yellow (57%)
- Blue (80%)



- Cyan (50%)
- Magenta (14%)
- Yellow (0%)
- Black (20%)



- Cyan (60%)
- Magenta (31%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.2351, 0.2399, 0.2876 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 38.2351, 0.2399, 0.2876 by changing the saturation by 10% instead.

■ 38.2351, 0.2399,
0.2876

■ 38.2351, 0.2399,
0.2876

■ 338.6274, 0.2764,
0.3095

■ 26.1652, 0.2309,
0.2818

■ 72.4683, 0.2531,
0.2958

■ 16.9473, 0.2193,
0.2742

■ 95.4005, 0.2581,
0.2988

■ 10.1969, 0.2041,
0.2637

■ 122.7222, 0.2623,
0.3014

■ 5.5297, 0.1834,
0.2487

■ 154.8178, 0.2660,
0.3035

■ 2.5613, 0.1538,
0.2256

■ 192.0717, 0.2691,
0.3053

■ 0.9072, 0.1010,
0.1889

■ 234.8684, 0.2718,

■ 0.0000, 0.0000,

0.3069

0.0000

283.5921, 0.2743,
0.3083

■ 38.2351, 0.2399,
0.2876

■ 38.2351, 0.2399,
0.2876

■ 35.0423, 0.2281,
0.2777

■ 41.8141, 0.2530,
0.2971

■ 32.2085, 0.2180,
0.2675

■ 45.7956, 0.2672,
0.3061

■ 29.7089, 0.2098,
0.2572

■ 50.2002, 0.2821,
0.3144

■ 27.5128, 0.2036,
0.2469

■ 55.0456, 0.2973,
0.3220

■ 25.5721, 0.1991,
0.2368

■ 60.3481, 0.3126,
0.3290

■ 66.1234, 0.3278,
0.3352

■ 72.3861, 0.3426,
0.3408

■ 77.1866, 0.3494,
0.3461

■ 80.1819, 0.3483,
0.3517

Harmonies

Analogous

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



38.2351, 0.2478, 0.3202



38.2351, 0.2399, 0.2876



38.2351, 0.2498, 0.2688

Triad

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



38.2351, 0.2399, 0.2876



38.2351, 0.3526, 0.3010



38.2351, 0.3473, 0.3999

Complementary

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



38.2351, 0.2399, 0.2876



29.7221, 0.4331, 0.3651

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.



38.2351, 0.3780, 0.3889



38.2351, 0.2399, 0.2876



38.2351, 0.3820, 0.3315

Square

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



38.2351, 0.2399, 0.2876



38.2351, 0.3131, 0.2775



38.2351, 0.3913, 0.3632



38.2351, 0.3085, 0.3892

Rectangle

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



38.2351, 0.2399, 0.2876



38.2351, 0.2655, 0.2651



38.2351, 0.3913, 0.3632



38.2351, 0.3589, 0.3984

Sweetspot

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



38.2365, 0.2399, 0.2876



86.9492, 0.2895, 0.3182



47.5864, 0.2900, 0.4448



18.2480, 0.2862, 0.3165



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.



38.2365, 0.2399, 0.2876



57.6771, 0.2273, 0.2769



22.0278, 0.2246, 0.2079



12.1871, 0.2983, 0.3225



16.2599, 0.1995, 0.2382



0.9613, 0.2050, 0.2580

Inverse Universe

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



25.4537, 0.3504, 0.2380



35.5713, 0.3617, 0.2218



46.5024, 0.3991, 0.4252



11.3493, 0.3179, 0.3123



9.4444, 0.4041, 0.2000



0.4996, 0.3843, 0.1891

Previews

White Background



This preview shows how the Yxy color 38.2351, 0.2399, 0.2876 looks on a white background.

Color Contrast Check

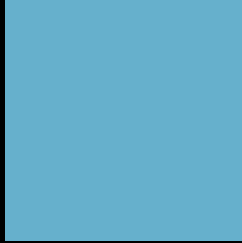
Large Text (above 18pt) WCAG AA × Fail

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 38.2351, 0.2399, 0.2876 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

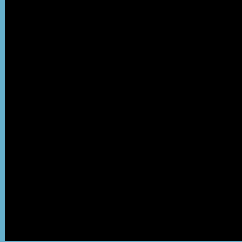
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.2351, 0.2399, 0.2876

Background



This preview shows how black text looks on a background with the Yxy color 38.2351, 0.2399, 0.2876.



This preview shows how white text looks on a background with the Yxy color 38.2351, 0.2399, 0.2876.

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

38.2351, 0.2399, 0.2876

Protanopia

37.9074, 0.2822, 0.2850

Deuteranopia

37.8192, 0.2747, 0.2686



Tritanopia

38.2432, 0.2450, 0.3075

Trichromacy



Original Color

38.2351, 0.2399, 0.2876

Protanomaly

37.5321, 0.2640, 0.2848

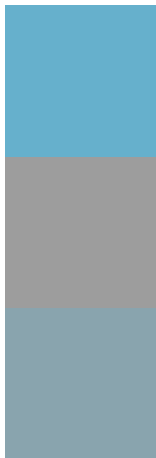
Deuteranomaly

37.5826, 0.2600, 0.2744

Tritanomaly

38.0825, 0.2430, 0.3002

Monochromacy



Original Color

38.2351, 0.2399, 0.2876

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

34.9253, 0.2806, 0.3138

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.2351, 0.2399, 0.2876 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(102, 176, 204)` looks like.

```
.text, #text, p{  
    color:rgb(102, 176, 204)  
}
```

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(102, 176, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 176, 204) }
```

Border

The CSS property to change the border of an element to Yxy 38.2351, 0.2399, 0.2876 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(102, 176, 204) }
```

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

```
.border{ border-color:rgb(102, 176, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 176, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 176, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 176, 204);  
box-shadow:4px 4px 4px 4px rgb(102, 176,  
204) }
```


Background

The CSS property to change the background color of an element to Rgb 38.2351, 0.2399, 0.2876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 176, 204) }
```

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

```
.background{ background-color: rgb(102,  
176, 204) }
```

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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