

Converting Colors

Yxy(38.9514, 0.2296, 0.2843)

Have a look what the booklet for
Yxy(38.9514, 0.2296, 0.2843)
contains.

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Color

Yxy(38.7782, 0.2293, 0.2831)

Conversions

Conversions Part 1

Format	Color
Hex	54B3D2
RGB	84, 179, 210
RGB Percent	33%, 70%, 82%
CMY	0.6705, 0.2980, 0.1765
CMYK	0.60, 0.15, 0.00, 0.18
HSL	195°, 58%, 58%
HSV	195°, 60%, 82%
XYZ	31.4088, 38.7782, 66.7900
YIQ	154.1290, -66.5710, -10.4990

Conversions

Conversions Part 2

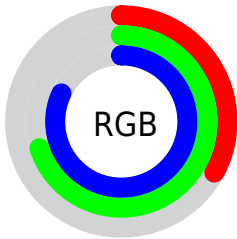
Format	Color
R_{YB}	84, 138, 210
Decimal	5551058
CIE _{Lab}	68.59, -18.93, -24.09
CIE _{LCh}	69, 30.639, 231.834
Yxy	38.7782, 0.2293, 0.2831
Android (android.graphics.Color)	4283741138 (0xFF54B3D2)
YUV	154.1290, 27.5444, -61.5031
Hunter-Lab	62.2721, -18.9444, -20.0010

Details

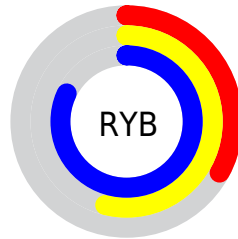
The Yxy color **38.7782, 0.2293, 0.2831** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **26.6034, 0.4723, 0.3663**, and the grayscale version is **32.2767, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.5660, 0.2497, 0.3058**, and **17.2883, 0.2080, 0.2688** is the 20% darker color. If you saturate the color by 10%, you get **35.9194, 0.2196, 0.2740**, and if you desaturate by 10%, it is **42.0077, 0.2407, 0.2920**.

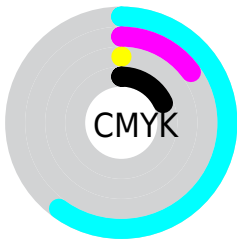
Distribution



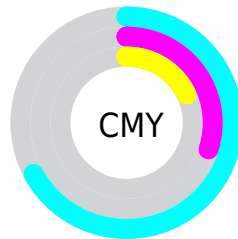
- Red (33%)
- Green (70%)
- Blue (82%)



- Red (33%)
- Yellow (54%)
- Blue (82%)



- Cyan (60%)
- Magenta (15%)
- Yellow (0%)
- Black (18%)



- Cyan (67%)
- Magenta (30%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.7782, 0.2293, 0.2831 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 38.7782, 0.2293, 0.2831 by changing the saturation by 10% instead.


 38.7782, 0.2293,
0.2831


 38.7782, 0.2293,
0.2831


340.9466, 0.2707,
0.3075

 26.5872, 0.2192,
0.2766


 73.2994, 0.2442,
0.2922


 17.2635, 0.2064,
0.2682


 96.3983, 0.2499,
0.2956

 10.4225, 0.1897,
0.2567


 123.9021, 0.2547,
0.2984

 5.6800, 0.1673,
0.2402

 156.1950, 0.2588,
0.3008

 2.6515, 0.1361,
0.2153

193.6616, 0.2624,
0.3028

 0.9526, 0.0819,
0.1766

236.6861, 0.2655,

 0.0000, 0.0000,

0.3046

0.0000

285.6529, 0.2683,
0.3061

■ 38.7782, 0.2293,
0.2831

■ 38.7782, 0.2293,
0.2831

■ 35.9194, 0.2196,
0.2740

■ 42.0077, 0.2407,
0.2920

■ 33.3995, 0.2118,
0.2648

■ 45.6281, 0.2536,
0.3004

■ 31.1872, 0.2060,
0.2557

■ 49.6628, 0.2675,
0.3084

■ 29.2234, 0.2019,
0.2466

■ 54.1317, 0.2822,
0.3159

■ 29.2200, 0.2019,
0.2466

■ 59.0536, 0.2974,
0.3228

■ 64.4458, 0.3127,
0.3290

■ 70.3247, 0.3280,
0.3346

■ 76.7059, 0.3430,
0.3396

■ 80.0259, 0.3443,
0.3447

Harmonies

Analogous

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



38.7782, 0.2396, 0.3216



38.7782, 0.2293, 0.2831



38.7782, 0.2390, 0.2607

Triad

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



38.7782, 0.2293, 0.2831



38.7782, 0.3556, 0.2944



38.7782, 0.3553, 0.4112

Complementary

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



38.7782, 0.2293, 0.2831



26.6034, 0.4723, 0.3663

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.



38.7782, 0.3899, 0.3959



38.7782, 0.2293, 0.2831



38.7782, 0.3912, 0.3285

Square

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



38.7782, 0.2293, 0.2831



38.7782, 0.3094, 0.2687



38.7782, 0.4038, 0.3650



38.7782, 0.3107, 0.4013

Rectangle

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



38.7782, 0.2293, 0.2831



38.7782, 0.2560, 0.2559



38.7782, 0.4038, 0.3650



38.7782, 0.3685, 0.4085

Sweetspot

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



38.7796, 0.2293, 0.2831



85.3170, 0.2849, 0.3172



49.1724, 0.2897, 0.4795



17.8013, 0.2805, 0.3151



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.



38.7796, 0.2293, 0.2831



54.5893, 0.2172, 0.2714



19.4054, 0.2075, 0.1854



12.8939, 0.2983, 0.3231



17.9923, 0.2022, 0.2480



1.1264, 0.2068, 0.2646

Inverse Universe

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



23.2992, 0.3563, 0.2191



30.4627, 0.3689, 0.2038



45.5454, 0.4201, 0.4371



11.9573, 0.3175, 0.3116



9.8876, 0.3943, 0.1946



0.5650, 0.3780, 0.1856

Previews

White Background



This preview shows how the Yxy color 38.7782, 0.2293, 0.2831 looks on a white background.

Color Contrast Check

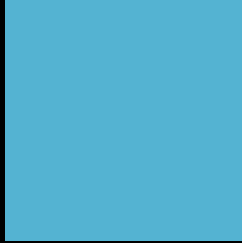
Large Text (above 18pt) WCAG AA × Fail

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 38.7782, 0.2293, 0.2831 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

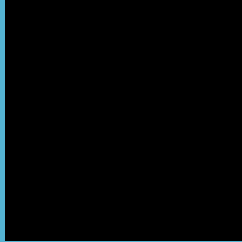
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.7782, 0.2293, 0.2831

Background



This preview shows how black text looks on a background with the Yxy color 38.7782, 0.2293, 0.2831.

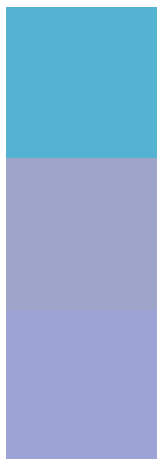


This preview shows how white text looks on a background with the Yxy color 38.7782, 0.2293, 0.2831.

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

38.7782, 0.2293, 0.2831

Protanopia

38.4513, 0.2793, 0.2813

Deuteranopia

38.1666, 0.2682, 0.2624



Tritanopia

38.6530, 0.2344, 0.3058

Trichromacy



Original Color

38.7782, 0.2293, 0.2831

Protanomaly

38.0146, 0.2569, 0.2807

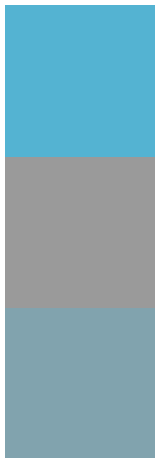
Deuteranomaly

37.8752, 0.2504, 0.2688

Tritanomaly

38.5650, 0.2324, 0.2970

Monochromacy



Original Color

38.7782, 0.2293, 0.2831

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

33.9175, 0.2740, 0.3119

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.7782, 0.2293, 0.2831 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(84, 179, 210)` looks like.

```
.text, #text, p{  
    color:rgb(84, 179, 210)  
}
```

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(84, 179, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 179, 210) }
```

Border

The CSS property to change the border of an element to Yxy 38.7782, 0.2293, 0.2831 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(84, 179, 210) }
```

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

```
.border{ border-color:rgb(84, 179, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 179, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 179, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 179, 210);  
box-shadow:4px 4px 4px 4px rgb(84, 179,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 38.7782, 0.2293, 0.2831 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 179, 210) }
```

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

```
.background{ background-color: rgb(84, 179,  
210) }
```

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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