

Converting Colors

$Y_{xy}(39.0825, 0.2218, 0.2651)$

Have a look what the booklet for
Yxy(39.0825, 0.2218, 0.2651)
contains.

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Color

Yxy(38.9178, 0.2218, 0.2645)

Conversions

Conversions Part 1

Format	Color
Hex	51B2DF
RGB	81, 178, 223
RGB Percent	32%, 70%, 87%
CMY	0.6820, 0.3020, 0.1256
CMYK	0.64, 0.20, 0.00, 0.13
HSL	199°, 69%, 60%
HSV	199°, 64%, 87%
XYZ	32.6350, 38.9178, 75.5844
YIQ	154.1270, -72.2570, -6.5690

Conversions

Conversions Part 2

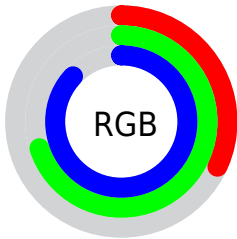
Format	Color
R _Y B	81, 139, 223
Decimal	5354207
CIE Lab	68.69, -14.93, -31.07
CIE LCh	69, 34.468, 244.334
Yxy	38.9178, 0.2218, 0.2645
Android (android.graphics.Color)	4283544287 (0xFF51B2DF)
YUV	154.1270, 33.9544, -64.1324
Hunter-Lab	62.3841, -15.7934, -28.1667

Details

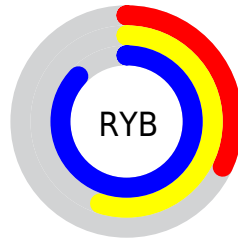
The Yxy color **38.9178, 0.2218, 0.2645** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **31.2169, 0.4782, 0.3791**, and the grayscale version is **32.2551, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.9053, 0.2491, 0.3046**, and **17.4944, 0.2013, 0.2445** is the 20% darker color. If you saturate the color by 10%, you get **35.3488, 0.2117, 0.2524**, and if you desaturate by 10%, it is **42.9579, 0.2336, 0.2764**.

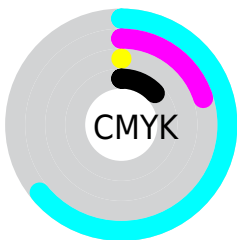
Distribution



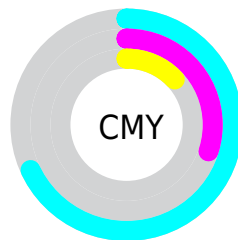
- Red (32%)
- Green (70%)
- Blue (87%)



- Red (32%)
- Yellow (55%)
- Blue (87%)



- Cyan (64%)
- Magenta (20%)
- Yellow (0%)
- Black (13%)



- Cyan (68%)
- Magenta (30%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.9178, 0.2218, 0.2645 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 38.9178, 0.2218, 0.2645 by changing the saturation by 10% instead.

■ 38.9178, 0.2218,
0.2645

■ 38.9178, 0.2218,
0.2645

■ 341.5409, 0.2666,
0.2979

■ 26.6958, 0.2110,
0.2560

■ 73.5127, 0.2378,
0.2768

■ 17.3449, 0.1974,
0.2450

■ 96.6544, 0.2439,
0.2814

■ 10.4807, 0.1800,
0.2304

■ 124.2048, 0.2491,
0.2852

■ 5.7188, 0.1569,
0.2103

■ 156.5483, 0.2536,
0.2885

■ 2.6749, 0.1258,
0.1814

■ 194.0692, 0.2575,
0.2914

■ 0.9644, 0.0792,
0.1388

■ 237.1521, 0.2609,

■ 0.0000, 0.0000,

0.2938

0.0000

286.1811, 0.2640,
0.2960

■ 38.9178, 0.2218,
0.2645

■ 38.9178, 0.2218,
0.2645

■ 35.3488, 0.2117,
0.2524

■ 42.9579, 0.2336,
0.2764

■ 32.2116, 0.2037,
0.2402

■ 47.4955, 0.2469,
0.2877

■ 29.4654, 0.1977,
0.2282

■ 52.5597, 0.2612,
0.2985

■ 27.8783, 0.1946,
0.2206

■ 58.1755, 0.2763,
0.3086

■ 64.3660, 0.2917,
0.3178

71.1531, 0.3071,
0.3262

78.5570, 0.3224,
0.3337

85.7404, 0.3341,
0.3405

89.8580, 0.3332,
0.3474

Harmonies

Analogous

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



38.9178, 0.2238, 0.3004



38.9178, 0.2218, 0.2645



38.9178, 0.2413, 0.2485

Triad

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



38.9178, 0.2218, 0.2645



38.9178, 0.3800, 0.3052



38.9178, 0.3396, 0.4211

Complementary

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



38.9178, 0.2218, 0.2645



31.2169, 0.4782, 0.3791

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.



38.9178, 0.3849, 0.4137



38.9178, 0.2218, 0.2645



38.9178, 0.4106, 0.3448

Square

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



38.9178, 0.2218, 0.2645



38.9178, 0.3307, 0.2723



38.9178, 0.4118, 0.3842



38.9178, 0.2893, 0.3975

Rectangle

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



38.9178, 0.2218, 0.2645



38.9178, 0.2652, 0.2488



38.9178, 0.4118, 0.3842



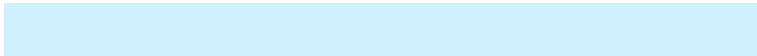
38.9178, 0.3560, 0.4219

Sweetspot

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



38.9192, 0.2218, 0.2645



82.5303, 0.2832, 0.3128



56.0212, 0.2834, 0.4733



17.1569, 0.2787, 0.3101



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.



38.9192, 0.2218, 0.2645



46.6101, 0.2092, 0.2488



17.6155, 0.1969, 0.1578



14.8012, 0.2982, 0.3214



16.6080, 0.1951, 0.2224



1.3100, 0.2002, 0.2408

Inverse Universe

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



24.7958, 0.3733, 0.2235



28.4945, 0.3908, 0.2117



56.1939, 0.4184, 0.4533



13.8578, 0.3186, 0.3131



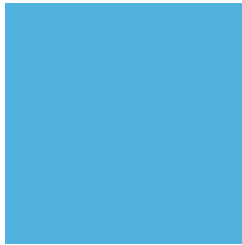
10.5846, 0.4206, 0.2091



0.7497, 0.4015, 0.1985

Previews

White Background



This preview shows how the Yxy color 38.9178, 0.2218, 0.2645 looks on a white background.

Color Contrast Check

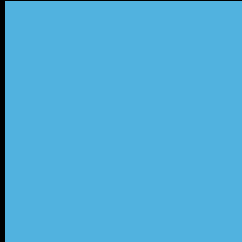
Large Text (above 18pt) WCAG AA × Fail

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 38.9178, 0.2218, 0.2645 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

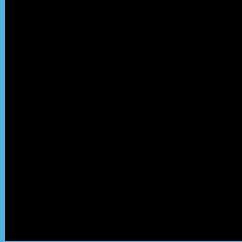
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.9178, 0.2218, 0.2645

Background



This preview shows how black text looks on a background with the Yxy color 38.9178, 0.2218, 0.2645.



This preview shows how white text looks on a background with the Yxy color 38.9178, 0.2218, 0.2645.

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

38.9178, 0.2218, 0.2645

Protanopia

38.5844, 0.2662, 0.2648

Deuteranopia

38.4315, 0.2540, 0.2478



Tritanopia

39.1271, 0.2308, 0.3072

Trichromacy



Original Color

38.9178, 0.2218, 0.2645

Protanomaly

38.2712, 0.2457, 0.2638

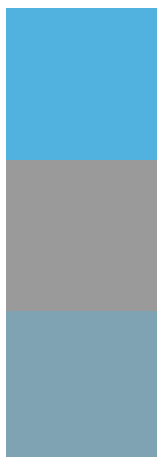
Deuteranomaly

38.0973, 0.2392, 0.2525

Tritanomaly

38.9204, 0.2276, 0.2912

Monochromacy



Original Color

38.9178, 0.2218, 0.2645

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

33.9611, 0.2688, 0.3044

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.9178, 0.2218, 0.2645 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(81, 178, 223)` looks like.

```
.text, #text, p{  
    color:rgb(81, 178, 223)  
}
```

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(81, 178, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 178, 223) }
```

Border

The CSS property to change the border of an element to Yxy 38.9178, 0.2218, 0.2645 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(81, 178, 223) }
```

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

```
.border{ border-color:rgb(81, 178, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 178, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 178, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 178, 223);  
box-shadow:4px 4px 4px 4px rgb(81, 178,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 38.9178, 0.2218, 0.2645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 178, 223) }
```

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

```
.background{ background-color: rgb(81, 178,  
223) }
```

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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