

Converting Colors

$Yxy(38.9280, 0.2091, 0.2469)$

Have a look what the booklet for
Yxy(38.9280, 0.2091, 0.2469)
contains.

Yxy(38.8548, 0.2090, 0.2464)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(38.8548, 0.2090, 0.2464)

Conversions

Conversions Part 1

Format	Color
Hex	3AB2ED
RGB	58, 178, 237
RGB Percent	23%, 70%, 93%
CMY	0.7719, 0.3020, 0.0706
CMYK	0.75, 0.25, 0.00, 0.07
HSL	200°, 83%, 58%
HSV	200°, 75%, 93%
XYZ	32.9572, 38.8548, 85.8779
YIQ	148.8460, -90.4590, -7.0910

Conversions

Conversions Part 2

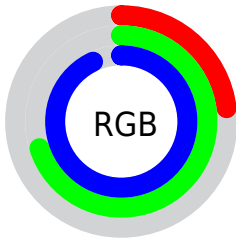
Format	Color
RYB	58, 130, 237
Decimal	3846893
CIELab	68.65, -13.58, -38.85
CIELCh	69, 41.152, 250.726
Yxy	38.8548, 0.2090, 0.2464
Android (android.graphics.Color)	4282036973 (0xFF3AB2ED)
YUV	148.8460, 43.4599, -79.6719
Hunter-Lab	62.3336, -14.7068, -38.0512

Details

The Yxy color **38.8548, 0.2090, 0.2464** is a light color, and the websafe version is hex **3399CC**. The color can be described as light washed azure. A complement of this color would be **31.0727, 0.5197, 0.3838**, and the grayscale version is **29.8489, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.7328, 0.2431, 0.3042**, and **18.0034, 0.1958, 0.2249** is the 20% darker color. If you saturate the color by 10%, you get **35.2763, 0.2012, 0.2337**, and if you desaturate by 10%, it is **42.9402, 0.2189, 0.2591**.

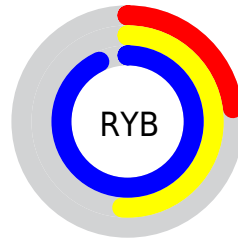
Distribution



Red (23%)

Green (70%)

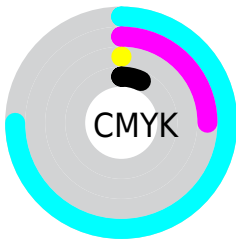
Blue (93%)



Red (23%)

Yellow (51%)

Blue (93%)

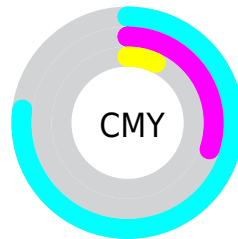


Cyan (75%)

Magenta (25%)

Yellow (0%)

Black (7%)



Cyan (77%)


Magenta (30%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.8548, 0.2090, 0.2464 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 38.8548, 0.2090, 0.2464 by changing the saturation by 10% instead.


 38.8548, 0.2090,
0.2464


 38.8548, 0.2090,
0.2464

341.2728, 0.2596,
0.2884


 26.6468, 0.1971,
0.2360


 73.4165, 0.2269,
0.2617


 17.3081, 0.1823,
0.2228


 96.5389, 0.2338,
0.2674

 10.4544, 0.1636,
0.2057


 124.0682, 0.2397,
0.2723

 5.7013, 0.1394,
0.1827

 156.3889, 0.2447,
0.2765

 2.6643, 0.1081,
0.1513

193.8853, 0.2492,
0.2801

 0.9591, 0.0652,
0.1082

236.9418, 0.2531,

 0.0000, 0.0000,

0.2832

0.0000

285.9428, 0.2565,
0.2860

■ 38.8548, 0.2090,
0.2464

■ 38.8548, 0.2090,
0.2464

■ 35.2763, 0.2012,
0.2337

■ 42.9402, 0.2189,
0.2591

■ 32.1489, 0.1954,
0.2211

■ 47.5710, 0.2306,
0.2716

■ 30.8416, 0.1932,
0.2155

■ 52.7854, 0.2438,
0.2837

■ 58.6161, 0.2582,
0.2951

■ 65.0932, 0.2733,
0.3058

■ 72.2442, 0.2888,
0.3156

■ 80.0950, 0.3043,
0.3245

■ 88.6697, 0.3197,
0.3325

■ 94.7342, 0.3238,
0.3401

Harmonies

Analogous

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



38.8548, 0.2057, 0.2830



38.8548, 0.2090, 0.2464



38.8548, 0.2364, 0.2337

Triad

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



38.8548, 0.2090, 0.2464



38.8548, 0.4035, 0.3097



38.8548, 0.3307, 0.4376

Complementary

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



38.8548, 0.2090, 0.2464



31.0727, 0.5197, 0.3838

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.



38.8548, 0.3872, 0.4342



38.8548, 0.2090, 0.2464



38.8548, 0.4330, 0.3562

Square

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



38.8548, 0.2090, 0.2464



38.8548, 0.3471, 0.2696



38.8548, 0.4258, 0.4015



38.8548, 0.2723, 0.4016

Rectangle

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



38.8548, 0.2090, 0.2464



38.8548, 0.2669, 0.2374



38.8548, 0.4258, 0.4015



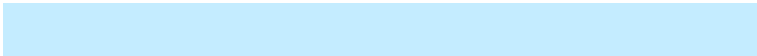
38.8548, 0.3506, 0.4407

Sweetspot

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



38.8561, 0.2090, 0.2464



78.7917, 0.2769, 0.3082



62.7025, 0.2827, 0.5047



16.2370, 0.2713, 0.3045



0.0000, 0.0000, 0.0000



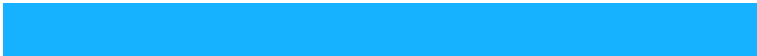
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



38.8561, 0.2090, 0.2464



39.4167, 0.1975, 0.2262



14.4926, 0.1774, 0.1238



16.2357, 0.2981, 0.3210



17.0895, 0.1938, 0.2176



1.5167, 0.1986, 0.2348

Inverse Universe

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



24.2605, 0.3930, 0.2143



25.1028, 0.4159, 0.2104



61.5958, 0.4349, 0.4673



15.2243, 0.3188, 0.3133



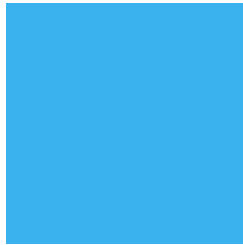
11.2180, 0.4259, 0.2120



0.8985, 0.4076, 0.2019

Previews

White Background



This preview shows how the Yxy color 38.8548, 0.2090, 0.2464 looks on a white background.

Color Contrast Check

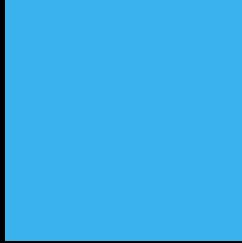
Large Text (above 18pt) WCAG AA × Fail

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 38.8548, 0.2090, 0.2464 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

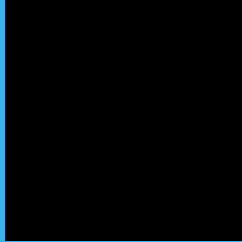
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

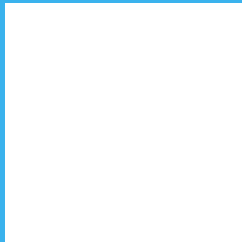
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.8548, 0.2090, 0.2464

Background



This preview shows how black text looks on a background with the Yxy color 38.8548, 0.2090, 0.2464.

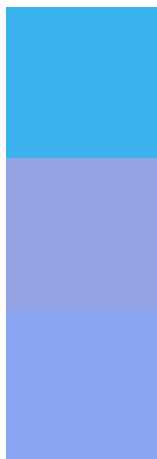


This preview shows how white text looks on a background with the Yxy color 38.8548, 0.2090, 0.2464.

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

38.8548, 0.2090, 0.2464

Protanopia

38.3378, 0.2533, 0.2476

Deuteranopia

38.5199, 0.2382, 0.2323



Tritanopia

38.8681, 0.2181, 0.3053

Trichromacy



Original Color

38.8548, 0.2090, 0.2464

Protanomaly

37.7339, 0.2315, 0.2457

Deuteranomaly

38.1696, 0.2239, 0.2364

Tritanomaly

38.4194, 0.2131, 0.2819

Monochromacy



Original Color

38.8548, 0.2090, 0.2464

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

32.1908, 0.2585, 0.2960

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.8548, 0.2090, 0.2464 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(58, 178, 237)` looks like.

```
.text, #text, p{  
  color:rgb(58, 178, 237)  
}
```

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(58, 178, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 178, 237) }
```

Border

The CSS property to change the border of an element to Yxy 38.8548, 0.2090, 0.2464 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(58, 178, 237) }
```

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

```
.border{ border-color:rgb(58, 178, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 178, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 178, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 178, 237);  
box-shadow:4px 4px 4px 4px rgb(58, 178,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 38.8548, 0.2090, 0.2464 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 178, 237) }
```

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

```
.background{ background-color: rgb(58, 178,  
237) }
```

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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