

Converting Colors

$Yxy(38.4691, 0.2059, 0.2612)$

Have a look what the booklet for
Yxy(38.4691, 0.2059, 0.2612)
contains.

Yxy(38.5938, 0.2060, 0.2616)	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(38.5938, 0.2060, 0.2616)

Conversions

Conversions Part 1

Format	Color
Hex	00B5E3
RGB	0, 181, 227
RGB Percent	0%, 71%, 89%
CMY	1.0000, 0.2902, 0.1097
CMYK	1.00, 0.20, 0.00, 0.11
HSL	192°, 100%, 45%
HSV	192°, 100%, 89%
XYZ	30.3911, 38.5938, 78.5449
YIQ	132.1250, -122.6420, -24.0660

Conversions

Conversions Part 2

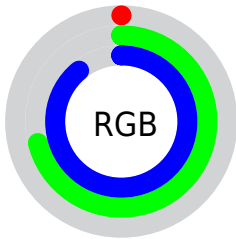
Format	Color
RYB	0, 101, 227
Decimal	46563
CIELab	68.46, -22.13, -33.76
CIELCh	68, 40.363, 236.753
Yxy	38.5938, 0.2060, 0.2616
Android (android.graphics.Color)	4278236643 (0xFF00B5E3)
YUV	132.1250, 46.7734, -115.8736
Hunter-Lab	62.1239, -21.3943, -31.4752

Details

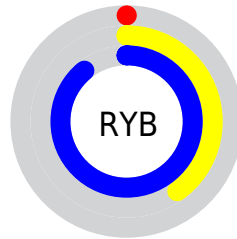
The Yxy color **38.5938, 0.2060, 0.2616** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle washed azure. A complement of this color would be **18.2932, 0.6191, 0.3467**, and the grayscale version is **22.9846, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.9142, 0.2358, 0.3073**, and **18.3786, 0.2017, 0.2459** is the 20% darker color. If you saturate the color by 10%, you get **38.5958, 0.2060, 0.2616**, and if you desaturate by 10%, it is **40.6777, 0.2095, 0.2689**.

Distribution



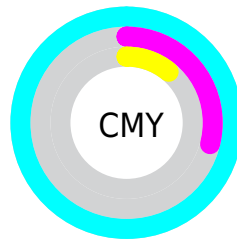
- Red (0%)
- Green (71%)
- Blue (89%)



- Red (0%)
- Yellow (40%)
- Blue (89%)



- Cyan (100%)
- Magenta (20%)
- Yellow (0%)
- Black (11%)




- Cyan (100%)
- Magenta (29%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.5938, 0.2060, 0.2616 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 38.5938, 0.2060, 0.2616 by changing the saturation by 10% instead.


 38.5938, 0.2060,
0.2616


 38.5938, 0.2060,
0.2616


340.1604, 0.2581,
0.2970


 26.4439, 0.1937,
0.2525


 73.0174, 0.2245,
0.2747


 17.1560, 0.1784,
0.2407


 96.0598, 0.2316,
0.2796


 10.3458, 0.1590,
0.2251


 123.5019, 0.2376,
0.2837

 5.6288, 0.1339,
0.2036

 155.7280, 0.2428,
0.2871

 2.6207, 0.1013,
0.1729

 193.1225, 0.2474,
0.2901

 0.9371, 0.0483,
0.1294

236.0698, 0.2514,

 0.0000, 0.0000,

0.2927

0.0000

284.9543, 0.2549,
0.2950

■ 38.5938, 0.2060,
0.2616

■ 38.5938, 0.2060,
0.2616

■ 38.5958, 0.2060,
0.2616

■ 40.6777, 0.2095,
0.2689

■ 43.0319, 0.2147,
0.2764

■ 45.7263, 0.2218,
0.2838

■ 48.8003, 0.2309,
0.2912

■ 52.2871, 0.2417,
0.2985

■ 56.2158, 0.2541,
0.3054

■ 60.6126, 0.2677,
0.3120

■ 65.5013, 0.2822,
0.3182

■ 70.9041, 0.2973,
0.3238

Harmonies

Analogous

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



38.5938, 0.2143, 0.3082



38.5938, 0.2060, 0.2616



38.5938, 0.2221, 0.2382

Triad

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



38.5938, 0.2060, 0.2616



38.5938, 0.3782, 0.2904



38.5938, 0.3577, 0.4388

Complementary

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



38.5938, 0.2060, 0.2616



18.2932, 0.6191, 0.3467

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.



38.5938, 0.4069, 0.4201



38.5938, 0.2060, 0.2616



38.5938, 0.4217, 0.3343

Square

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



38.5938, 0.2060, 0.2616



38.5938, 0.3176, 0.2561



38.5938, 0.4317, 0.3805



38.5938, 0.2990, 0.4213

Rectangle

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



38.5938, 0.2060, 0.2616



38.5938, 0.2457, 0.2352



38.5938, 0.4317, 0.3805



38.5938, 0.3759, 0.4360

Sweetspot

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



38.5958, 0.2060, 0.2616



78.7637, 0.2674, 0.3119



55.1497, 0.2949, 0.5817



16.3237, 0.2615, 0.3091



0.0000, 0.0000, 0.0000



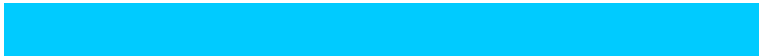
21.4041, 0.3127, 0.3290

Same Dimension

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



38.5958, 0.2060, 0.2616



50.0715, 0.2059, 0.2611



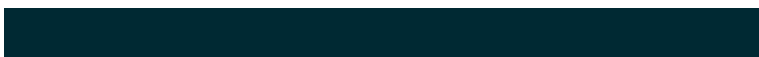
9.6956, 0.1605, 0.0976



15.8139, 0.2981, 0.3241



22.6719, 0.2063, 0.2627



1.8014, 0.2093, 0.2735

Inverse Universe

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



19.6727, 0.3809, 0.1872



25.5859, 0.3813, 0.1874



41.1067, 0.4854, 0.4528



14.5625, 0.3169, 0.3105



11.4865, 0.3798, 0.1866



0.8615, 0.3695, 0.1809

Previews

White Background



This preview shows how the Yxy color 38.5938, 0.2060, 0.2616 looks on a white background.

Color Contrast Check

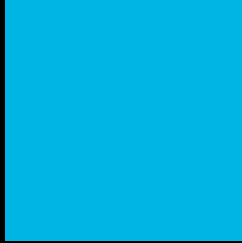
Large Text (above 18pt) WCAG AA × Fail

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 38.5938, 0.2060, 0.2616 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

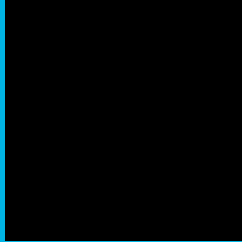
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.5938, 0.2060, 0.2616

Background



This preview shows how black text looks on a background with the Yxy color 38.5938, 0.2060, 0.2616.



This preview shows how white text looks on a background with the Yxy color 38.5938, 0.2060, 0.2616.

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

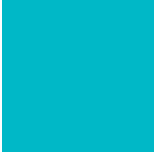
38.5938, 0.2060, 0.2616

Protanopia

38.1783, 0.2646, 0.2621

Deuteranopia

38.2497, 0.2475, 0.2415



Tritanopia

38.4045, 0.2181, 0.3052

Trichromacy



Original Color

38.5938, 0.2060, 0.2616



Protanomaly

36.4053, 0.2278, 0.2585



Deuteranomaly

36.7379, 0.2204, 0.2449



Tritanomaly

38.4704, 0.2136, 0.2889

Monochromacy



Original Color

38.5938, 0.2060, 0.2616



Achromatopsia

23.0740, 0.3127, 0.3290



Achromatomaly

26.4875, 0.2432, 0.2991

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.5938, 0.2060, 0.2616 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(0, 181, 227)` looks like.

```
.text, #text, p{  
  color:rgb(0, 181, 227)  
}
```

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(0, 181, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 181, 227) }
```

Border

The CSS property to change the border of an element to Yxy 38.5938, 0.2060, 0.2616 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(0, 181, 227) }
```

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

```
.border{ border-color:rgb(0, 181, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 181, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 181, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 181, 227);  
box-shadow:4px 4px 4px 4px rgb(0, 181,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 38.5938, 0.2060, 0.2616 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 181, 227) }
```

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

```
.background{ background-color: rgb(0, 181,  
227) }
```

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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