

Converting Colors

$Y_{xy}(35.2690, 0.1745, 0.2515)$

Have a look what the booklet for
Yxy(35.2690, 0.1745, 0.2515)
contains.

Yxy(38.3557, 0.2046, 0.2564)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(38.3557, 0.2046, 0.2564)

Conversions

Conversions Part 1

Format	Color
Hex	01B4E6
RGB	1, 180, 230
RGB Percent	0%, 71%, 90%
CMY	0.9972, 0.2941, 0.0982
CMYK	1.00, 0.22, 0.00, 0.10
HSL	193°, 99%, 45%
HSV	193°, 100%, 90%
XYZ	30.6068, 38.3557, 80.6307
YIQ	132.1790, -122.7340, -22.3980

Conversions

Conversions Part 2

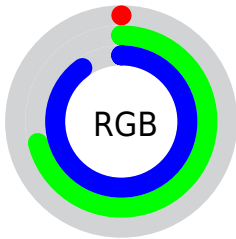
Format	Color
R _Y B	1, 101, 230
Decimal	111846
CIE Lab	68.28, -20.57, -35.63
CIE LCh	68, 41.142, 239.999
Yxy	38.3557, 0.2046, 0.2564
Android (android.graphics.Color)	4278301926 (0xFF01B4E6)
YUV	132.1790, 48.2258, -115.0440
Hunter-Lab	61.9320, -20.1663, -33.8387

Details

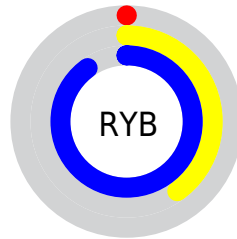
The Yxy color **38.3557, 0.2046, 0.2564** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle washed azure. A complement of this color would be **19.1595, 0.6157, 0.3490**, and the grayscale version is **22.9628, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.3991, 0.2358, 0.3061**, and **18.2347, 0.1998, 0.2392** is the 20% darker color. If you saturate the color by 10%, you get **38.2903, 0.2045, 0.2562**, and if you desaturate by 10%, it is **40.6038, 0.2083, 0.2644**.

Distribution



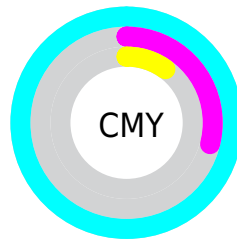
- Red (0%)
- Green (71%)
- Blue (90%)



- Red (0%)
- Yellow (40%)
- Blue (90%)



- Cyan (100%)
- Magenta (22%)
- Yellow (0%)
- Black (10%)





- Cyan (100%)
- Magenta (29%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.3557, 0.2046, 0.2564 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 38.3557, 0.2046, 0.2564 by changing the saturation by 10% instead.


 38.3557, 0.2046,
0.2564


 38.3557, 0.2046,
0.2564


339.1434, 0.2573,
0.2943


 26.2589, 0.1922,
0.2468


 72.6530, 0.2233,
0.2704


 17.0174, 0.1767,
0.2344


 95.6223, 0.2304,
0.2756

 10.2469, 0.1572,
0.2180


 122.9845, 0.2366,
0.2799

 5.5630, 0.1321,
0.1957

 155.1240, 0.2419,
0.2836

 2.5812, 0.0995,
0.1642

 192.4253, 0.2465,
0.2869

 0.9172, 0.0485,
0.1204

235.2727, 0.2505,

 0.0000, 0.0000,

0.2896

0.0000

284.0506, 0.2541,
0.2921

■ 38.3557, 0.2046,
0.2564

■ 38.3557, 0.2046,
0.2564

■ 38.2903, 0.2045,
0.2562

■ 40.6038, 0.2083,
0.2644

■ 43.1451, 0.2138,
0.2724

■ 46.0481, 0.2211,
0.2805

■ 49.3533, 0.2305,
0.2885

■ 53.0949, 0.2416,
0.2963

■ 57.3030, 0.2542,
0.3038

■ 62.0047, 0.2679,
0.3109

■ 67.2247, 0.2826,
0.3175

■ 72.9859, 0.2978,
0.3236

Harmonies

Analogous

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



38.3557, 0.2102, 0.3015



38.3557, 0.2046, 0.2564



38.3557, 0.2236, 0.2353

Triad

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



38.3557, 0.2046, 0.2564



38.3557, 0.3857, 0.2941



38.3557, 0.3521, 0.4413

Complementary

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



38.3557, 0.2046, 0.2564



19.1595, 0.6157, 0.3490

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.



38.3557, 0.4042, 0.4252



38.3557, 0.2046, 0.2564



38.3557, 0.4270, 0.3393

Square

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



38.3557, 0.2046, 0.2564



38.3557, 0.3245, 0.2578



38.3557, 0.4330, 0.3862



38.3557, 0.2923, 0.4191

Rectangle

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



38.3557, 0.2046, 0.2564



38.3557, 0.2492, 0.2339



38.3557, 0.4330, 0.3862



38.3557, 0.3711, 0.4396

Sweetspot

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



38.3570, 0.2046, 0.2564



78.0826, 0.2673, 0.3106



56.8154, 0.2941, 0.5786



16.1595, 0.2613, 0.3076



0.0000, 0.0000, 0.0000



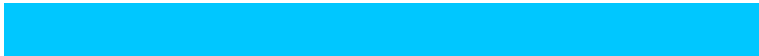
21.4041, 0.3127, 0.3290

Same Dimension

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



38.3570, 0.2046, 0.2564



48.2584, 0.2044, 0.2557



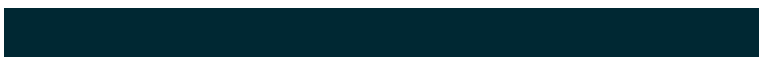
9.5734, 0.1596, 0.0942



15.7752, 0.2981, 0.3238



21.8713, 0.2048, 0.2574



1.7487, 0.2081, 0.2691

Inverse Universe

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



20.1286, 0.3859, 0.1901



25.4029, 0.3866, 0.1903



43.7344, 0.4808, 0.4563



14.5586, 0.3171, 0.3108



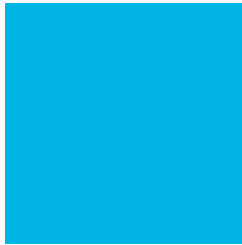
11.4056, 0.3849, 0.1894



0.8562, 0.3737, 0.1832

Previews

White Background



This preview shows how the Yxy color 38.3557, 0.2046, 0.2564 looks on a white background.

Color Contrast Check

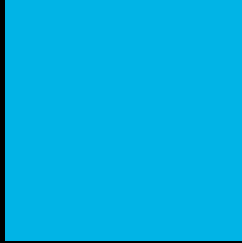
Large Text (above 18pt) WCAG AA × Fail

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 38.3557, 0.2046, 0.2564 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

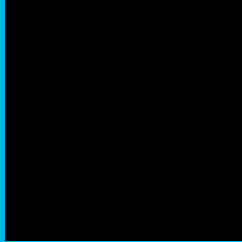
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.3557, 0.2046, 0.2564

Background



This preview shows how black text looks on a background with the Yxy color 38.3557, 0.2046, 0.2564.

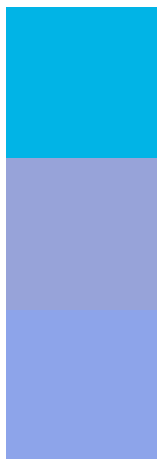


This preview shows how white text looks on a background with the Yxy color 38.3557, 0.2046, 0.2564.

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

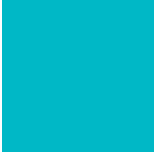
38.3621, 0.2046, 0.2564

Protanopia

37.7834, 0.2610, 0.2569

Deuteranopia

38.1542, 0.2438, 0.2379



Tritanopia

38.3582, 0.2185, 0.3067

Trichromacy



Original Color

38.3621, 0.2046, 0.2564



Protanomaly

36.1367, 0.2256, 0.2532



Deuteranomaly

36.8063, 0.2183, 0.2413



Tritanomaly

38.5201, 0.2132, 0.2875

Monochromacy



Original Color

38.3621, 0.2046, 0.2564



Achromatopsia

23.0740, 0.3127, 0.3290



Achromatomaly

26.2069, 0.2422, 0.2956

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.3557, 0.2046, 0.2564 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(1, 180, 230)` looks like.

```
.text, #text, p{  
    color:rgb(1, 180, 230)  
}
```

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(1, 180, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 180, 230) }
```

Border

The CSS property to change the border of an element to Yxy 38.3557, 0.2046, 0.2564 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(1, 180, 230) }
```

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

```
.border{ border-color:rgb(1, 180, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 180, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 180, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 180, 230);  
box-shadow:4px 4px 4px 4px rgb(1, 180,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 38.3557, 0.2046, 0.2564 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 180, 230) }
```

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

```
.background{ background-color: rgb(1, 180,  
230) }
```

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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