

Converting Colors

$Yxy(38.6637, 0.2102, 0.2737)$

Have a look what the booklet for
Yxy(38.6637, 0.2102, 0.2737)
contains.

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Color

Yxy(38.6637, 0.2102, 0.2737)

Conversions

Conversions Part 1

Format	Color
Hex	0EB6DB
RGB	14, 182, 219
RGB Percent	5%, 71%, 86%
CMY	0.9450, 0.2863, 0.1412
CMYK	0.94, 0.17, 0.00, 0.14
HSL	191°, 88%, 46%
HSV	191°, 94%, 86%
XYZ	29.6935, 38.6637, 72.9059
YIQ	135.9860, -112.0050, -24.1090

Conversions

Conversions Part 2

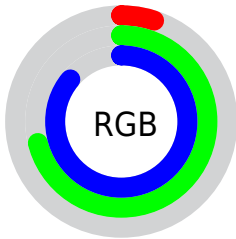
Format	Color
RYB	14, 106, 219
Decimal	964315
CIELab	68.51, -24.99, -29.27
CIELCh	69, 38.482, 229.514
Yxy	38.6637, 0.2102, 0.2737
Android (android.graphics.Color)	4279154395 (0xFF0EB6DB)
YUV	135.9860, 40.9259, -106.9817
Hunter-Lab	62.1801, -23.5744, -25.9911

Details

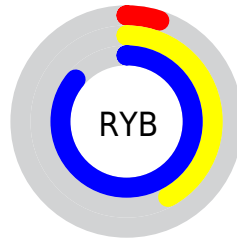
The Yxy color **38.6637, 0.2102, 0.2737** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **17.4580, 0.6081, 0.3484**, and the grayscale version is **24.4936, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.5572, 0.2364, 0.3086**, and **18.3808, 0.2054, 0.2595** is the 20% darker color. If you saturate the color by 10%, you get **37.5444, 0.2082, 0.2696**, and if you desaturate by 10%, it is **40.5866, 0.2144, 0.2802**.

Distribution



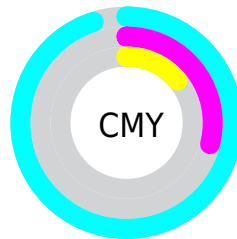
- Red (5%)
- Green (71%)
- Blue (86%)



- Red (5%)
- Yellow (42%)
- Blue (86%)



- Cyan (94%)
- Magenta (17%)
- Yellow (0%)
- Black (14%)



- Cyan (95%)
- Magenta (29%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.6637, 0.2102, 0.2737 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 38.6637, 0.2102, 0.2737 by changing the saturation by 10% instead.


 38.6637, 0.2102,
0.2737


 38.6637, 0.2102,
0.2737


340.4586, 0.2605,
0.3033


 26.4982, 0.1982,
0.2659


 73.1243, 0.2281,
0.2848


 17.1967, 0.1832,
0.2557


 96.1882, 0.2349,
0.2889


 10.3749, 0.1641,
0.2419


 123.6536, 0.2408,
0.2923

 5.6482, 0.1391,
0.2224

 155.9051, 0.2458,
0.2951

 2.6324, 0.1060,
0.1937

 193.3269, 0.2502,
0.2976

 0.9430, 0.0459,
0.1519

236.3035, 0.2540,

 0.0000, 0.0000,

0.2998

0.0000

285.2193, 0.2574,
0.3016

■ 38.6637, 0.2102,
0.2737

■ 38.6637, 0.2102,
0.2737

■ 37.5444, 0.2082,
0.2696

■ 40.5866, 0.2144,
0.2802

■ 42.7946, 0.2205,
0.2867

■ 45.3276, 0.2286,
0.2933

■ 48.2175, 0.2385,
0.2997

■ 51.4919, 0.2501,
0.3059

■ 55.1755, 0.2630,
0.3119

■ 59.2907, 0.2771,
0.3175

■ 63.8582, 0.2919,
0.3226

■ 68.8972, 0.3072,
0.3274

Harmonies

Analogous

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



38.6637, 0.2240, 0.3229



38.6637, 0.2102, 0.2737



38.6637, 0.2201, 0.2455

Triad

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



38.6637, 0.2102, 0.2737



38.6637, 0.3620, 0.2831



38.6637, 0.3687, 0.4320

Complementary

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



38.6637, 0.2102, 0.2737



17.4580, 0.6081, 0.3484

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.



38.6637, 0.4111, 0.4085



38.6637, 0.2102, 0.2737



38.6637, 0.4091, 0.3237

Square

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



38.6637, 0.2102, 0.2737



38.6637, 0.3035, 0.2532



38.6637, 0.4271, 0.3683



38.6637, 0.3134, 0.4240

Rectangle

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



38.6637, 0.2102, 0.2737



38.6637, 0.2394, 0.2391



38.6637, 0.4271, 0.3683



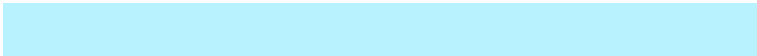
38.6637, 0.3850, 0.4270

Sweetspot

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



38.6651, 0.2102, 0.2737



80.9349, 0.2705, 0.3149



50.9647, 0.2950, 0.5772



16.7928, 0.2644, 0.3124



0.0000, 0.0000, 0.0000



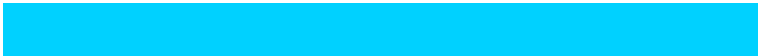
21.4041, 0.3127, 0.3290

Same Dimension

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



38.6651, 0.2102, 0.2737



52.8156, 0.2081, 0.2690



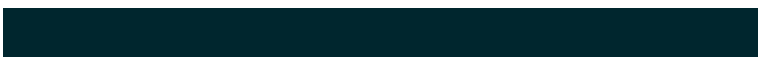
11.2941, 0.1674, 0.1181



14.4091, 0.2982, 0.3247



22.4122, 0.2085, 0.2706



1.5584, 0.2114, 0.2811

Inverse Universe

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



18.7503, 0.3691, 0.1830



25.8629, 0.3737, 0.1832



37.1156, 0.4863, 0.4479



13.2324, 0.3165, 0.3100



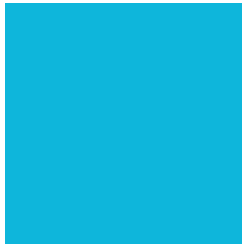
10.8863, 0.3723, 0.1825



0.7160, 0.3625, 0.1770

Previews

White Background



This preview shows how the Yxy color 38.6637, 0.2102, 0.2737 looks on a white background.

Color Contrast Check

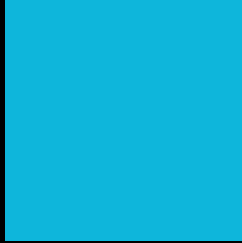
Large Text (above 18pt) WCAG AA × Fail

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 38.6637, 0.2102, 0.2737 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

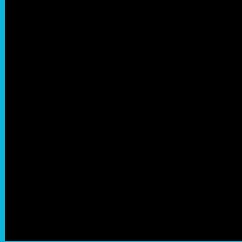
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.6637, 0.2102, 0.2737

Background



This preview shows how black text looks on a background with the Yxy color 38.6637, 0.2102, 0.2737.

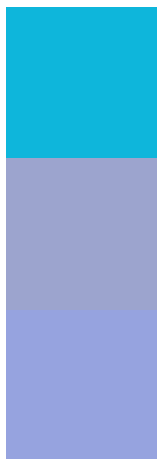


This preview shows how white text looks on a background with the Yxy color 38.6637, 0.2102, 0.2737.

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

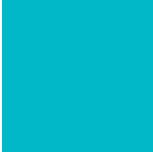
38.6637, 0.2102, 0.2737

Protanopia

38.0751, 0.2725, 0.2721

Deuteranopia

38.0061, 0.2564, 0.2499



Tritanopia

38.4045, 0.2181, 0.3052

Trichromacy



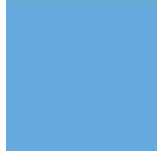
Original Color

38.6637, 0.2102, 0.2737



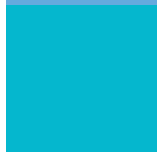
Protanomaly

36.7720, 0.2358, 0.2707



Deuteranomaly

36.7901, 0.2284, 0.2552



Tritanomaly

38.3555, 0.2151, 0.2932

Monochromacy



Original Color

38.6637, 0.2102, 0.2737



Achromatopsia

24.6201, 0.3127, 0.3290



Achromatomaly

27.8110, 0.2500, 0.3065

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.6637, 0.2102, 0.2737 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(14, 182, 219)` looks like.

```
.text, #text, p{  
    color:rgb(14, 182, 219)  
}
```

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(14, 182, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(14, 182, 219) }
```

Border

The CSS property to change the border of an element to Yxy 38.6637, 0.2102, 0.2737 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(14, 182, 219) }
```

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

```
.border{ border-color:rgb(14, 182, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(14, 182, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(14, 182, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(14, 182, 219);  
box-shadow:4px 4px 4px 4px rgb(14, 182,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 38.6637, 0.2102, 0.2737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(14, 182, 219) }
```

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

```
.background{ background-color: rgb(14, 182,  
219) }
```

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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