

Converting Colors

$Y_{xy}(38.7892, 0.2298, 0.3037)$

Have a look what the booklet for
Yxy(38.7892, 0.2298, 0.3037)
contains.

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Color

Yxy(38.7621, 0.2300, 0.3042)

Conversions

Conversions Part 1

Format	Color
Hex	44B6C6
RGB	68, 182, 198
RGB Percent	27%, 71%, 78%
CMY	0.7330, 0.2863, 0.2236
CMYK	0.66, 0.08, 0.00, 0.22
HSL	187°, 53%, 52%
HSV	187°, 66%, 78%
XYZ	29.3073, 38.7621, 59.3537
YIQ	149.7380, -73.0800, -19.1920

Conversions

Conversions Part 2

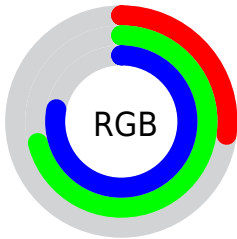
Format	Color
RYB	68, 129, 198
Decimal	4503238
CIELab	68.58, -26.77, -17.55
CIElCh	69, 32.012, 213.251
Yxy	38.7621, 0.2300, 0.3042
Android (android.graphics.Color)	4282693318 (0xFF44B6C6)
YUV	149.7380, 23.7932, -71.6842
Hunter-Lab	62.2592, -24.9282, -12.9416

Details

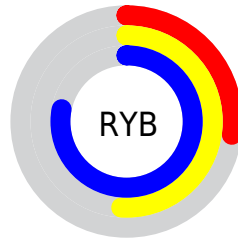
The Yxy color **38.7621, 0.2300, 0.3042** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted azure. A complement of this color would be **18.7735, 0.5100, 0.3481**, and the grayscale version is **30.3125, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.1944, 0.2448, 0.3090**, and **17.7141, 0.2157, 0.2966** is the 20% darker color. If you saturate the color by 10%, you get **37.1776, 0.2231, 0.2999**, and if you desaturate by 10%, it is **40.6073, 0.2388, 0.3085**.

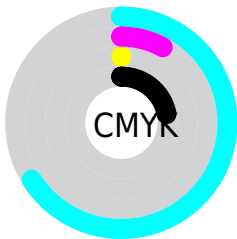
Distribution



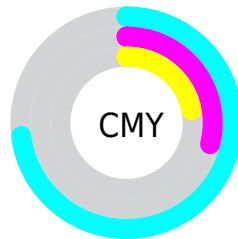
- Red (27%)
- Green (71%)
- Blue (78%)



- Red (27%)
- Yellow (51%)
- Blue (78%)



- Cyan (66%)
- Magenta (8%)
- Yellow (0%)
- Black (22%)





- Cyan (73%)
- Magenta (29%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.7621, 0.2300, 0.3042 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 38.7621, 0.2300, 0.3042 by changing the saturation by 10% instead.


 38.7621, 0.2300,
0.3042


 38.7621, 0.2300,
0.3042


340.8780, 0.2712,
0.3181

 26.5747, 0.2199,
0.3002


 73.2747, 0.2449,
0.3096


 17.2541, 0.2070,
0.2949


 96.3688, 0.2505,
0.3116


 10.4158, 0.1901,
0.2873


 123.8672, 0.2553,
0.3131

 5.6755, 0.1672,
0.2759

 156.1543, 0.2594,
0.3145

 2.6488, 0.1350,
0.2573

 193.6145, 0.2629,
0.3156

 0.9513, 0.0603,
0.2303

236.6323, 0.2661,

 0.0000, 0.0000,

0.3166

0.0000

285.5920, 0.2688,
0.3174

■ 38.7621, 0.2300,
0.3042

■ 38.7621, 0.2300,
0.3042

■ 37.1776, 0.2231,
0.2999

■ 40.6073, 0.2388,
0.3085

■ 35.8239, 0.2181,
0.2956

■ 42.7307, 0.2493,
0.3126

■ 34.6713, 0.2149,
0.2913

■ 45.1531, 0.2614,
0.3166

■ 34.2017, 0.2138,
0.2895

■ 47.8923, 0.2748,
0.3204

■ 50.9644, 0.2891,
0.3240

■ 54.3845, 0.3041,
0.3273

■ 58.1666, 0.3195,
0.3303

■ 62.3240, 0.3350,
0.3330

■ 66.8693, 0.3504,
0.3354

Harmonies

Analogous

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



38.7621, 0.2531, 0.3507



38.7621, 0.2300, 0.3042



38.7621, 0.2273, 0.2699

Triad

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



38.7621, 0.2300, 0.3042



38.7621, 0.3278, 0.2750



38.7621, 0.3814, 0.4074

Complementary

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



38.7621, 0.2300, 0.3042



18.7735, 0.5100, 0.3481

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.



38.7621, 0.4054, 0.3797



38.7621, 0.2300, 0.3042



38.7621, 0.3738, 0.3057

Square

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



38.7621, 0.2300, 0.3042



38.7621, 0.2806, 0.2564



38.7621, 0.4031, 0.3429



38.7621, 0.3398, 0.4146

Rectangle

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



38.7621, 0.2300, 0.3042



38.7621, 0.2369, 0.2571



38.7621, 0.4031, 0.3429



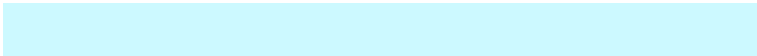
38.7621, 0.3919, 0.3999

Sweetspot

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



38.7635, 0.2300, 0.3042



87.6379, 0.2823, 0.3224



42.2416, 0.2963, 0.5183



18.4300, 0.2782, 0.3213



0.0000, 0.0000, 0.0000



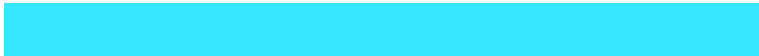
21.4041, 0.3127, 0.3290

Same Dimension

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



38.7635, 0.2300, 0.3042



64.7010, 0.2206, 0.2979



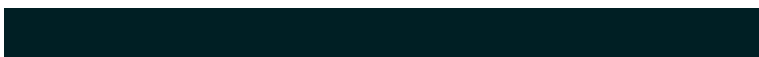
18.2366, 0.2043, 0.1956



11.8361, 0.2984, 0.3261



22.3310, 0.2139, 0.2901



1.1216, 0.2164, 0.2989

Inverse Universe

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



19.5253, 0.3395, 0.1961



29.5815, 0.3463, 0.1802



33.6613, 0.4438, 0.4275



10.7933, 0.3156, 0.3090



9.7943, 0.3543, 0.1725



0.4702, 0.3464, 0.1682

Previews

White Background



This preview shows how the Yxy color 38.7621, 0.2300, 0.3042 looks on a white background.

Color Contrast Check

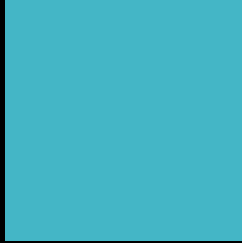
Large Text (above 18pt) WCAG AA × Fail

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 38.7621, 0.2300, 0.3042 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

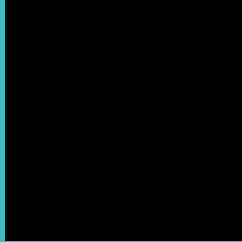
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.7621, 0.2300, 0.3042

Background



This preview shows how black text looks on a background with the Yxy color 38.7621, 0.2300, 0.3042.



This preview shows how white text looks on a background with the Yxy color 38.7621, 0.2300, 0.3042.

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

38.7621, 0.2300, 0.3042

Protanopia

38.2847, 0.2926, 0.2985

Deuteranopia

38.3512, 0.2818, 0.2766



Tritanopia

38.7161, 0.2305, 0.3057

Trichromacy



Original Color

38.7621, 0.2300, 0.3042

Protanomaly

37.4766, 0.2627, 0.2995

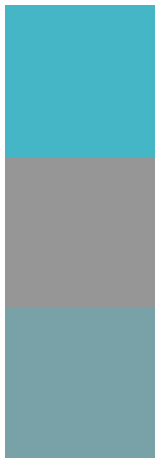
Deuteranomaly

37.6336, 0.2567, 0.2844

Tritanomaly

38.7161, 0.2305, 0.3057

Monochromacy



Original Color

38.7621, 0.2300, 0.3042

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

32.6238, 0.2719, 0.3209

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.7621, 0.2300, 0.3042 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(68, 182, 198)` looks like.

```
.text, #text, p{  
    color:rgb(68, 182, 198)  
}
```

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(68, 182, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 182, 198) }
```

Border

The CSS property to change the border of an element to Yxy 38.7621, 0.2300, 0.3042 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(68, 182, 198) }
```

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

```
.border{ border-color:rgb(68, 182, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 182, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 182, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 182, 198);  
box-shadow:4px 4px 4px 4px rgb(68, 182,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 38.7621, 0.2300, 0.3042 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 182, 198) }
```

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

```
.background{ background-color: rgb(68, 182,  
198) }
```

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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