

Converting Colors

$Y_{xy}(37.6201, 0.2278, 0.3038)$

Have a look what the booklet for
Yxy(37.6201, 0.2278, 0.3038)
contains.

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Color

Yxy(37.6201, 0.2278, 0.3038)

Conversions

Conversions Part 1

Format	Color
Hex	3DB4C4
RGB	61, 180, 196
RGB Percent	24%, 71%, 77%
CMY	0.7609, 0.2941, 0.2313
CMYK	0.69, 0.08, 0.00, 0.23
HSL	187°, 53%, 50%
HSV	187°, 69%, 77%
XYZ	28.2089, 37.6201, 58.0028
YIQ	146.2430, -76.0600, -20.2520

Conversions

Conversions Part 2

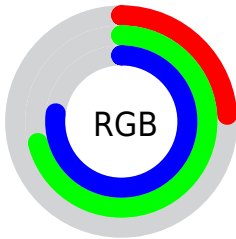
Format	Color
RYB	61, 124, 196
Decimal	4043972
CIELab	67.74, -27.43, -17.75
CIELCh	68, 32.671, 212.908
Yxy	37.6201, 0.2278, 0.3038
Android (android.graphics.Color)	4282234052 (0xFF3DB4C4)
YUV	146.2430, 24.5302, -74.7581
Hunter-Lab	61.3352, -25.2421, -13.1340

Details

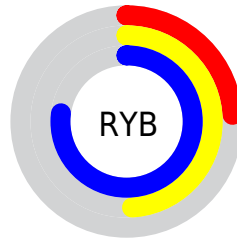
The Yxy color **37.6201, 0.2278, 0.3038** is a dark color, and the websafe version is hex **66CCCC**. The color can be described as middle muted azure. A complement of this color would be **17.3792, 0.5250, 0.3474**, and the grayscale version is **28.7690, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.4427, 0.2428, 0.3088**, and **17.1317, 0.2156, 0.2962** is the 20% darker color. If you saturate the color by 10%, you get **36.1791, 0.2216, 0.2997**, and if you desaturate by 10%, it is **39.3068, 0.2359, 0.3079**.

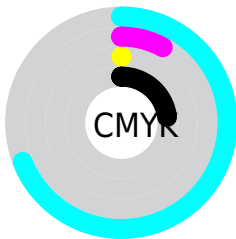
Distribution



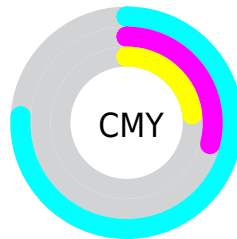
- Red (24%)
- Green (71%)
- Blue (77%)



- Red (24%)
- Yellow (49%)
- Blue (77%)



- Cyan (69%)
- Magenta (8%)
- Yellow (0%)
- Black (23%)





- Cyan (76%)
- Magenta (29%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.6201, 0.2278, 0.3038 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 37.6201, 0.2278, 0.3038 by changing the saturation by 10% instead.

 37.6201, 0.2278,
0.3038


 37.6201, 0.2278,
0.3038


335.9875, 0.2703,
0.3181


 25.6880, 0.2173,
0.2997


 71.5255, 0.2432,
0.3094

 16.5904, 0.2039,
0.2942


 94.2675, 0.2490,
0.3114


 9.9429, 0.1864,
0.2863


 121.3816, 0.2539,
0.3130

 5.3611, 0.1627,
0.2743

 153.2523, 0.2581,
0.3143

 2.4606, 0.1292,
0.2546

 190.2638, 0.2618,
0.3155

 0.8568, 0.0386,
0.2284

232.8005, 0.2650,

 0.0000, 0.0000,

0.3165

0.0000

281.2470, 0.2678,
0.3173

■ 37.6201, 0.2278,
0.3038

■ 37.6201, 0.2278,
0.3038

■ 36.1791, 0.2216,
0.2997

■ 39.3068, 0.2359,
0.3079

■ 34.9533, 0.2172,
0.2956

■ 41.2574, 0.2459,
0.3120

■ 33.9003, 0.2145,
0.2915

■ 43.4928, 0.2574,
0.3159

■ 33.7872, 0.2142,
0.2910

■ 46.0309, 0.2703,
0.3196

■ 48.8877, 0.2844,
0.3231

■ 52.0784, 0.2991,
0.3263

■ 55.6169, 0.3144,
0.3293

■ 59.5165, 0.3299,
0.3320

■ 63.7896, 0.3454,
0.3344

Harmonies

Analogous

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



37.6201, 0.2517, 0.3519



37.6201, 0.2278, 0.3038



37.6201, 0.2248, 0.2684

Triad

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



37.6201, 0.2278, 0.3038



37.6201, 0.3276, 0.2732



37.6201, 0.3838, 0.4094

Complementary

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



37.6201, 0.2278, 0.3038



17.3792, 0.5250, 0.3474

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.



37.6201, 0.4084, 0.3806



37.6201, 0.2278, 0.3038



37.6201, 0.3752, 0.3045

Square

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



37.6201, 0.2278, 0.3038



37.6201, 0.2791, 0.2543



37.6201, 0.4057, 0.3426



37.6201, 0.3410, 0.4174

Rectangle

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



37.6201, 0.2278, 0.3038



37.6201, 0.2345, 0.2552



37.6201, 0.4057, 0.3426



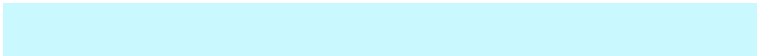
37.6201, 0.3946, 0.4015

Sweetspot

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



37.6215, 0.2278, 0.3038



87.2371, 0.2809, 0.3223



41.0068, 0.2960, 0.5279



18.3576, 0.2769, 0.3213



0.0000, 0.0000, 0.0000



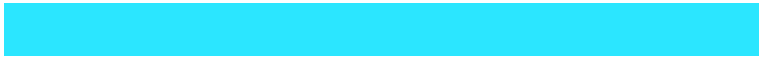
21.4041, 0.3127, 0.3290

Same Dimension

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



37.6215, 0.2278, 0.3038



64.2875, 0.2190, 0.2974



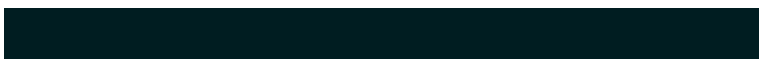
16.7301, 0.1996, 0.1879



11.2180, 0.2984, 0.3262



21.7909, 0.2143, 0.2916



1.0003, 0.2169, 0.3007

Inverse Universe

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



18.3678, 0.3402, 0.1912



28.7217, 0.3470, 0.1768



32.0951, 0.4510, 0.4305



10.2263, 0.3155, 0.3089



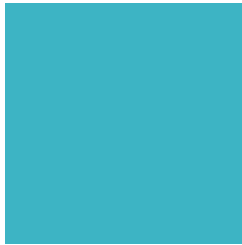
9.4820, 0.3529, 0.1718



0.4156, 0.3448, 0.1673

Previews

White Background



This preview shows how the Yxy color 37.6201, 0.2278, 0.3038 looks on a white background.

Color Contrast Check

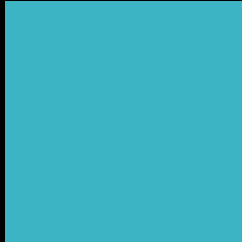
Large Text (above 18pt) WCAG AA × Fail

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 37.6201, 0.2278, 0.3038 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

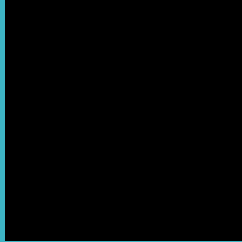
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.6201, 0.2278, 0.3038

Background



This preview shows how black text looks on a background with the Yxy color 37.6201, 0.2278, 0.3038.



This preview shows how white text looks on a background with the Yxy color 37.6201, 0.2278, 0.3038.

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

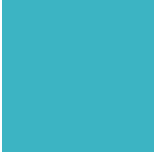
37.6201, 0.2278, 0.3038

Protanopia

37.2742, 0.2924, 0.2982

Deuteranopia

36.8888, 0.2805, 0.2746



Tritanopia

37.5433, 0.2280, 0.3053

Trichromacy



Original Color

37.6201, 0.2278, 0.3038

Protanomaly

36.4100, 0.2615, 0.2991

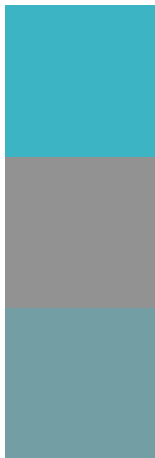
Deuteranomaly

36.1209, 0.2546, 0.2822

Tritanomaly

37.5433, 0.2280, 0.3053

Monochromacy



Original Color

37.6201, 0.2278, 0.3038

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

30.7789, 0.2695, 0.3191

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.6201, 0.2278, 0.3038 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(61, 180, 196)` looks like.

```
.text, #text, p{  
    color:rgb(61, 180, 196)  
}
```

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(61, 180, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 180, 196) }
```

Border

The CSS property to change the border of an element to Yxy 37.6201, 0.2278, 0.3038 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(61, 180, 196) }
```

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

```
.border{ border-color:rgb(61, 180, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 180, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 180, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 180, 196);  
box-shadow:4px 4px 4px 4px rgb(61, 180,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 37.6201, 0.2278, 0.3038 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 180, 196) }
```

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

```
.background{ background-color: rgb(61, 180,  
196) }
```

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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