

Converting Colors

$Yxy(37.6238, 0.2353, 0.3085)$

Have a look what the booklet for
Yxy(37.6238, 0.2353, 0.3085)
contains.

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Color

Yxy(37.6238, 0.2353, 0.3085)

Conversions

Conversions Part 1

Format	Color
Hex	4DB3C0
RGB	77, 179, 192
RGB Percent	30%, 70%, 75%
CMY	0.6981, 0.2980, 0.2469
CMYK	0.60, 0.07, 0.00, 0.25
HSL	187°, 48%, 53%
HSV	187°, 60%, 75%
XYZ	28.6965, 37.6238, 55.6369
YIQ	149.9840, -64.9650, -17.5810

Conversions

Conversions Part 2

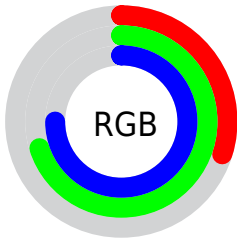
Format	Color
RYB	77, 131, 192
Decimal	5092288
CIELab	67.74, -25.53, -15.51
CIElCh	68, 29.872, 211.280
Yxy	37.6238, 0.2353, 0.3085
Android (android.graphics.Color)	4283282368 (0xFF4DB3C0)
YUV	149.9840, 20.7139, -64.0070
Hunter-Lab	61.3382, -23.8323, -10.8423

Details

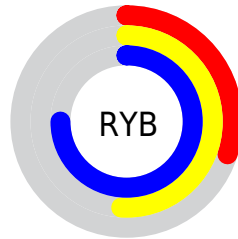
The Yxy color **37.6238, 0.2353, 0.3085** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted azure. A complement of this color would be **19.0610, 0.4854, 0.3460**, and the grayscale version is **30.4228, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.5123, 0.2498, 0.3135**, and **16.7858, 0.2167, 0.3001** is the 20% darker color. If you saturate the color by 10%, you get **36.0761, 0.2274, 0.3046**, and if you desaturate by 10%, it is **39.4238, 0.2450, 0.3124**.

Distribution



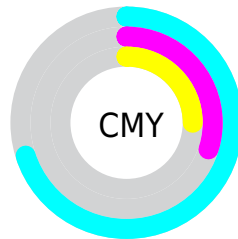
- Red (30%)
- Green (70%)
- Blue (75%)



- Red (30%)
- Yellow (51%)
- Blue (75%)



- Cyan (60%)
- Magenta (7%)
- Yellow (0%)
- Black (25%)



- Cyan (70%)
- Magenta (30%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.6238, 0.2353, 0.3085 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 37.6238, 0.2353, 0.3085 by changing the saturation by 10% instead.


 37.6238, 0.2353,
0.3085


 37.6238, 0.2353,
0.3085


336.0034, 0.2742,
0.3202


 25.6908, 0.2256,
0.3051


 71.5312, 0.2495,
0.3131

 16.5925, 0.2132,
0.3005


 94.2743, 0.2548,
0.3147

 9.9444, 0.1968,
0.2940


 121.3897, 0.2593,
0.3160

 5.3621, 0.1744,
0.2839

 153.2617, 0.2631,
0.3171

 2.4612, 0.1422,
0.2670

190.2747, 0.2665,
0.3181

 0.8571, 0.0548,
0.2452

232.8130, 0.2694,

 0.0000, 0.0000,

0.3189

0.0000

281.2611, 0.2719,
0.3196

■ 37.6238, 0.2353,
0.3085

■ 37.6238, 0.2353,
0.3085

■ 36.0761, 0.2274,
0.3046

■ 39.4238, 0.2450,
0.3124

■ 34.7549, 0.2215,
0.3006

■ 41.4908, 0.2563,
0.3161

■ 33.6364, 0.2173,
0.2967

■ 43.8431, 0.2691,
0.3197

■ 32.6711, 0.2147,
0.2929

■ 46.4964, 0.2829,
0.3230

■ 32.6627, 0.2147,
0.2928

■ 49.4649, 0.2976,
0.3262

■ 52.7621, 0.3129,
0.3290

■ 56.4006, 0.3283,
0.3316

■ 60.3924, 0.3438,
0.3340

■ 64.7488, 0.3591,
0.3360

Harmonies

Analogous

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



37.6238, 0.2585, 0.3524



37.6238, 0.2353, 0.3085



37.6238, 0.2314, 0.2749

Triad

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



37.6238, 0.2353, 0.3085



37.6238, 0.3240, 0.2763



37.6238, 0.3798, 0.4018

Complementary

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



37.6238, 0.2353, 0.3085



19.0610, 0.4854, 0.3460

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.



37.6238, 0.4008, 0.3751



37.6238, 0.2353, 0.3085



37.6238, 0.3678, 0.3049

Square

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



37.6238, 0.2353, 0.3085



37.6238, 0.2799, 0.2595



37.6238, 0.3967, 0.3400



37.6238, 0.3414, 0.4098

Rectangle

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



37.6238, 0.2353, 0.3085



37.6238, 0.2397, 0.2619



37.6238, 0.3967, 0.3400



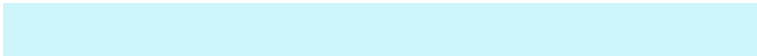
37.6238, 0.3893, 0.3945

Sweetspot

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



37.6252, 0.2353, 0.3085



85.0504, 0.2853, 0.3236



40.0032, 0.2980, 0.5031



17.9251, 0.2811, 0.3226



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



37.6252, 0.2353, 0.3085



64.5244, 0.2253, 0.3033



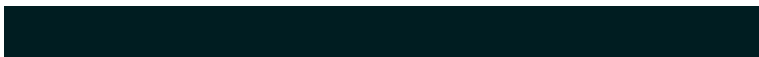
19.5510, 0.2141, 0.2129



11.2273, 0.2984, 0.3263



22.0425, 0.2148, 0.2933



1.0089, 0.2172, 0.3020

Inverse Universe

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



19.7709, 0.3352, 0.2037



30.3686, 0.3410, 0.1856



32.3080, 0.4324, 0.4187



10.2272, 0.3155, 0.3088



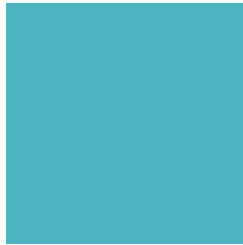
9.5074, 0.3513, 0.1709



0.4165, 0.3437, 0.1667

Previews

White Background



This preview shows how the Yxy color 37.6238, 0.2353, 0.3085 looks on a white background.

Color Contrast Check

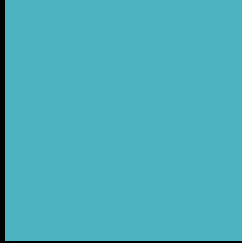
Large Text (above 18pt) WCAG AA × Fail

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 37.6238, 0.2353, 0.3085 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

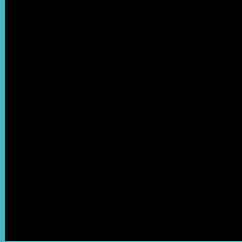
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

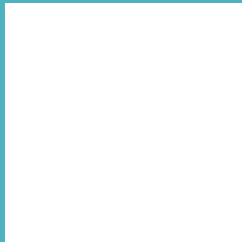
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.6238, 0.2353, 0.3085

Background



This preview shows how black text looks on a background with the Yxy color 37.6238, 0.2353, 0.3085.

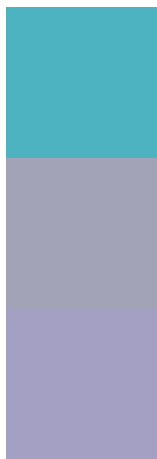


This preview shows how white text looks on a background with the Yxy color 37.6238, 0.2353, 0.3085.

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

37.6238, 0.2353, 0.3085

Protanopia

37.2532, 0.2957, 0.3023

Deuteranopia

37.0196, 0.2862, 0.2799



Tritanopia

37.7102, 0.2352, 0.3071

Trichromacy



Original Color

37.6238, 0.2353, 0.3085

Protanomaly

36.7464, 0.2679, 0.3037

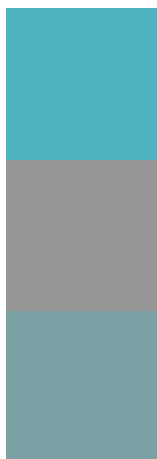
Deuteranomaly

36.4831, 0.2621, 0.2882

Tritanomaly

37.7102, 0.2352, 0.3071

Monochromacy



Original Color

37.6238, 0.2353, 0.3085

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

32.4173, 0.2756, 0.3225

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.6238, 0.2353, 0.3085 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(77, 179, 192)` looks like.

```
.text, #text, p{  
    color:rgb(77, 179, 192)  
}
```

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(77, 179, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 179, 192) }
```

Border

The CSS property to change the border of an element to Yxy 37.6238, 0.2353, 0.3085 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(77, 179, 192) }
```

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

```
.border{ border-color:rgb(77, 179, 192) }
```

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

Here you see how a box with a 4 pixel rgb(77, 179, 192) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 179, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 179, 192);  
box-shadow:4px 4px 4px 4px rgb(77, 179,  
192) }
```


Background

The CSS property to change the background color of an element to Yxy 37.6238, 0.2353, 0.3085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 179, 192) }
```

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

```
.background{ background-color: rgb(77, 179,  
192) }
```

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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