

Converting Colors

$Y_{xy}(37.6682, 0.2348, 0.3070)$

Have a look what the booklet for
Yxy(37.6682, 0.2348, 0.3070)
contains.

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Color

Yxy(37.6682, 0.2348, 0.3070)

Conversions

Conversions Part 1

Format	Color
Hex	4DB3C1
RGB	77, 179, 193
RGB Percent	30%, 70%, 76%
CMY	0.6980, 0.2980, 0.2430
CMYK	0.60, 0.07, 0.00, 0.24
HSL	187°, 48%, 53%
HSV	187°, 60%, 76%
XYZ	28.8094, 37.6682, 56.2201
YIQ	150.0980, -65.2860, -17.2700

Conversions

Conversions Part 2

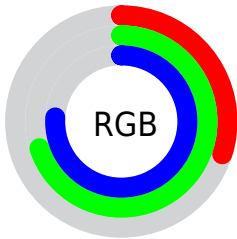
Format	Color
RYB	77, 131, 193
Decimal	5092289
CIELab	67.78, -25.23, -16.01
CIELCh	68, 29.883, 212.395
Yxy	37.6682, 0.2348, 0.3070
Android (android.graphics.Color)	4283282369 (0xFF4DB3C1)
YUV	150.0980, 21.1507, -64.1069
Hunter-Lab	61.3744, -23.6166, -11.3486

Details

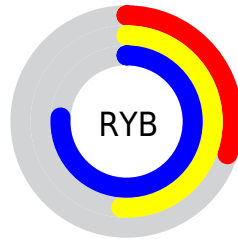
The Yxy color **37.6682, 0.2348, 0.3070** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted azure. A complement of this color would be **19.3676, 0.4855, 0.3472**, and the grayscale version is **30.4754, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.5746, 0.2493, 0.3124**, and **16.7858, 0.2167, 0.3001** is the 20% darker color. If you saturate the color by 10%, you get **36.0543, 0.2269, 0.3028**, and if you desaturate by 10%, it is **39.5390, 0.2446, 0.3111**.

Distribution



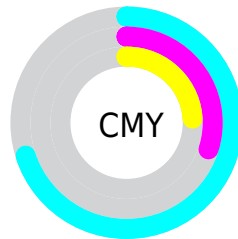
- Red (30%)
- Green (70%)
- Blue (76%)



- Red (30%)
- Yellow (51%)
- Blue (76%)



- Cyan (60%)
- Magenta (7%)
- Yellow (0%)
- Black (24%)





- Cyan (70%)
- Magenta (30%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.6682, 0.2348, 0.3070 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 37.6682, 0.2348, 0.3070 by changing the saturation by 10% instead.


 37.6682, 0.2348,
0.3070


 37.6682, 0.2348,
0.3070


336.1945, 0.2740,
0.3194

 25.7253, 0.2251,
0.3034


 71.5993, 0.2490,
0.3119

 16.6182, 0.2126,
0.2986


 94.3562, 0.2544,
0.3136

 9.9627, 0.1962,
0.2917


 121.4867, 0.2589,
0.3150

 5.3742, 0.1737,
0.2811

 153.3749, 0.2628,
0.3162

 2.4685, 0.1416,
0.2636

190.4055, 0.2661,
0.3172

 0.8608, 0.0564,
0.2402

232.9626, 0.2691,

 0.0000, 0.0000,

0.3180

0.0000

281.4308, 0.2717,
0.3188

■ 37.6682, 0.2348,
0.3070

■ 37.6682, 0.2348,
0.3070

■ 36.0543, 0.2269,
0.3028

■ 39.5390, 0.2446,
0.3111

■ 34.6711, 0.2208,
0.2986

■ 41.6817, 0.2559,
0.3151

■ 33.4943, 0.2167,
0.2944

■ 44.1148, 0.2687,
0.3190

■ 32.4827, 0.2140,
0.2903

■ 46.8542, 0.2826,
0.3226

■ 49.9145, 0.2973,
0.3259

■ 53.3093, 0.3126,
0.3290

■ 57.0514, 0.3280,
0.3318

■ 61.1529, 0.3435,
0.3342

■ 65.6254, 0.3588,
0.3365

Harmonies

Analogous

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



37.6682, 0.2573, 0.3508



37.6682, 0.2348, 0.3070



37.6682, 0.2316, 0.2740

Triad

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



37.6682, 0.2348, 0.3070



37.6682, 0.3257, 0.2771



37.6682, 0.3786, 0.4025

Complementary

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



37.6682, 0.2348, 0.3070



19.3676, 0.4855, 0.3472

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.



37.6682, 0.4005, 0.3763



37.6682, 0.2348, 0.3070



37.6682, 0.3692, 0.3061

Square

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



37.6682, 0.2348, 0.3070



37.6682, 0.2814, 0.2599



37.6682, 0.3973, 0.3414



37.6682, 0.3398, 0.4096

Rectangle

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



37.6682, 0.2348, 0.3070



37.6682, 0.2404, 0.2614



37.6682, 0.3973, 0.3414



37.6682, 0.3883, 0.3954

Sweetspot

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



37.6696, 0.2348, 0.3070



84.8419, 0.2853, 0.3232



40.4785, 0.2970, 0.5008



17.8735, 0.2810, 0.3222



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.



37.6696, 0.2348, 0.3070



63.7610, 0.2248, 0.3015



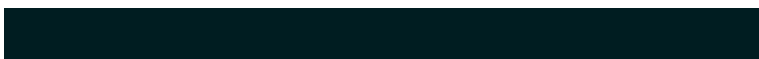
19.2239, 0.2130, 0.2090



11.2138, 0.2984, 0.3261



21.6761, 0.2141, 0.2908



0.9963, 0.2167, 0.3001

Inverse Universe

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



19.9061, 0.3365, 0.2043



30.2916, 0.3426, 0.1866



33.2324, 0.4312, 0.4212



10.2259, 0.3156, 0.3090



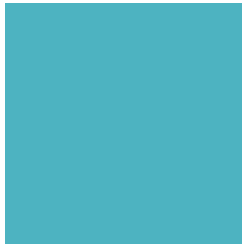
9.4704, 0.3536, 0.1722



0.4152, 0.3453, 0.1676

Previews

White Background



This preview shows how the Yxy color 37.6682, 0.2348, 0.3070 looks on a white background.

Color Contrast Check

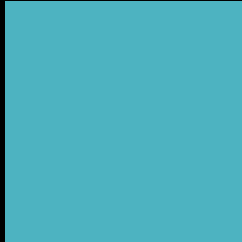
Large Text (above 18pt) WCAG AA × Fail

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 37.6682, 0.2348, 0.3070 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

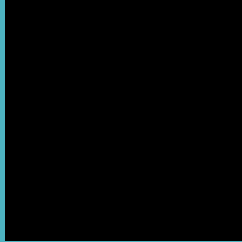
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.6682, 0.2348, 0.3070

Background



This preview shows how black text looks on a background with the Yxy color 37.6682, 0.2348, 0.3070.



This preview shows how white text looks on a background with the Yxy color 37.6682, 0.2348, 0.3070.

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

37.6682, 0.2348, 0.3070

Protanopia

37.1904, 0.2940, 0.3009

Deuteranopia

37.0653, 0.2854, 0.2787



Tritanopia

37.6682, 0.2348, 0.3070

Trichromacy



Original Color

37.6682, 0.2348, 0.3070

Protanomaly

36.7096, 0.2664, 0.3022

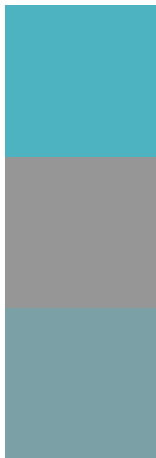
Deuteranomaly

36.5285, 0.2615, 0.2868

Tritanomaly

37.6682, 0.2348, 0.3070

Monochromacy



Original Color

37.6682, 0.2348, 0.3070

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

32.4539, 0.2749, 0.3209

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.6682, 0.2348, 0.3070 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, 193)` looks like.

```
.text, #text, p{  
    color:rgb(77, 179, 193)  
}
```

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, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 179, 193) }
```

Border

The CSS property to change the border of an element to Yxy 37.6682, 0.2348, 0.3070 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, 193) }
```

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

```
.border{ border-color:rgb(77, 179, 193) }
```

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, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 179, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 179, 193);  
box-shadow:4px 4px 4px 4px rgb(77, 179,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 37.6682, 0.2348, 0.3070 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, 193) }
```

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

```
.background{ background-color: rgb(77, 179,  
193) }
```

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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