

Converting Colors

$Yxy(37.8398, 0.2365, 0.3071)$

Have a look what the booklet for
Yxy(37.8398, 0.2365, 0.3071)
contains.

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Color

Yxy(37.8398, 0.2365, 0.3071)

Conversions

Conversions Part 1

Format	Color
Hex	51B3C1
RGB	81, 179, 193
RGB Percent	32%, 70%, 76%
CMY	0.6824, 0.2980, 0.2430
CMYK	0.58, 0.07, 0.00, 0.24
HSL	188°, 47%, 54%
HSV	188°, 58%, 76%
XYZ	29.1407, 37.8398, 56.2360
YIQ	151.2940, -62.9020, -16.4220

Conversions

Conversions Part 2

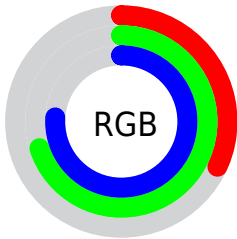
Format	Color
R _Y B	81, 133, 193
Decimal	5354433
CIE Lab	67.90, -24.50, -15.81
CIE LCh	68, 29.154, 212.831
Yxy	37.8398, 0.2365, 0.3071
Android (android.graphics.Color)	4283544513 (0xFF51B3C1)
YUV	151.2940, 20.5611, -61.6478
Hunter-Lab	61.5141, -23.0898, -11.1430

Details

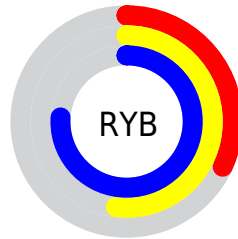
The Yxy color **37.8398, 0.2365, 0.3071** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted azure. A complement of this color would be **20.1232, 0.4762, 0.3475**, and the grayscale version is **31.0107, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.8317, 0.2506, 0.3124**, and **16.7858, 0.2167, 0.3001** is the 20% darker color. If you saturate the color by 10%, you get **36.1460, 0.2281, 0.3027**, and if you desaturate by 10%, it is **39.7957, 0.2467, 0.3114**.

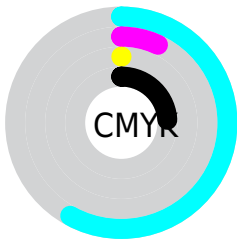
Distribution



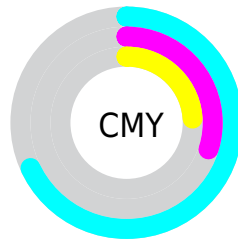
- Red (32%)
- Green (70%)
- Blue (76%)



- Red (32%)
- Yellow (52%)
- Blue (76%)



- Cyan (58%)
- Magenta (7%)
- Yellow (0%)
- Black (24%)





- Cyan (68%)
- Magenta (30%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.8398, 0.2365, 0.3071 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 37.8398, 0.2365, 0.3071 by changing the saturation by 10% instead.


 37.8398, 0.2365,
0.3071


 37.8398, 0.2365,
0.3071


336.9323, 0.2748,
0.3194


 25.8584, 0.2270,
0.3036


 71.8625, 0.2504,
0.3119

 16.7177, 0.2148,
0.2988


 94.6726, 0.2556,
0.3136

 10.0334, 0.1987,
0.2920


 121.8611, 0.2601,
0.3150

 5.4211, 0.1766,
0.2817

 153.8122, 0.2639,
0.3162

 2.4964, 0.1450,
0.2645

190.9106, 0.2671,
0.3172

 0.8748, 0.0643,
0.2409

233.5404, 0.2700,

 0.0000, 0.0000,

0.3180

0.0000

282.0862, 0.2726,
0.3188

■ 37.8398, 0.2365,
0.3071

■ 37.8398, 0.2365,
0.3071

■ 36.1460, 0.2281,
0.3027

■ 39.7957, 0.2467,
0.3114

■ 34.6889, 0.2216,
0.2984

■ 42.0283, 0.2584,
0.3155

■ 33.4450, 0.2170,
0.2940

■ 44.5559, 0.2715,
0.3194

■ 32.3763, 0.2141,
0.2897

■ 47.3940, 0.2856,
0.3231

■ 32.1756, 0.2136,
0.2889

■ 50.5571, 0.3004,
0.3265

■ 54.0585, 0.3157,
0.3296

■ 57.9109, 0.3312,
0.3324

■ 62.1263, 0.3466,
0.3349

■ 66.7161, 0.3618,
0.3371

Harmonies

Analogous

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



37.8398, 0.2583, 0.3496



37.8398, 0.2365, 0.3071



37.8398, 0.2336, 0.2751

Triad

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



37.8398, 0.2365, 0.3071



37.8398, 0.3261, 0.2787



37.8398, 0.3766, 0.4010

Complementary

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



37.8398, 0.2365, 0.3071



20.1232, 0.4762, 0.3475

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.



37.8398, 0.3981, 0.3758



37.8398, 0.2365, 0.3071



37.8398, 0.3683, 0.3072

Square

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



37.8398, 0.2365, 0.3071



37.8398, 0.2828, 0.2617



37.8398, 0.3954, 0.3417



37.8398, 0.3385, 0.4073

Rectangle

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



37.8398, 0.2365, 0.3071



37.8398, 0.2424, 0.2629



37.8398, 0.3954, 0.3417



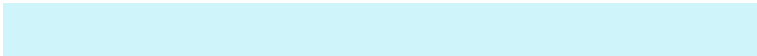
37.8398, 0.3861, 0.3942

Sweetspot

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



37.8412, 0.2365, 0.3071



85.2729, 0.2867, 0.3233



40.7109, 0.2973, 0.4942



18.0616, 0.2838, 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.



37.8412, 0.2365, 0.3071



63.8762, 0.2259, 0.3014



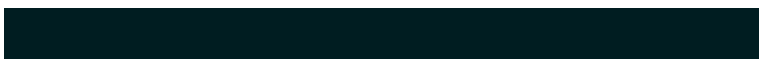
20.0008, 0.2163, 0.2139



11.2063, 0.2984, 0.3260



21.4741, 0.2137, 0.2894



0.9894, 0.2164, 0.2990

Inverse Universe

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



20.4797, 0.3361, 0.2081



30.9349, 0.3424, 0.1895



33.7739, 0.4265, 0.4187



10.2251, 0.3156, 0.3091



9.4501, 0.3549, 0.1729



0.4145, 0.3463, 0.1681

Previews

White Background



This preview shows how the Yxy color 37.8398, 0.2365, 0.3071 looks on a white background.

Color Contrast Check

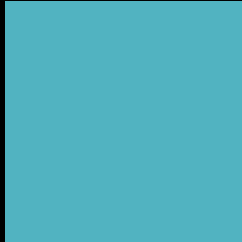
Large Text (above 18pt) WCAG AA × Fail

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 37.8398, 0.2365, 0.3071 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

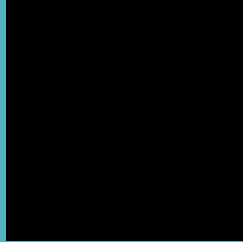
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.8398, 0.2365, 0.3071

Background



This preview shows how black text looks on a background with the Yxy color 37.8398, 0.2365, 0.3071.



This preview shows how white text looks on a background with the Yxy color 37.8398, 0.2365, 0.3071.

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

37.8398, 0.2365, 0.3071

Protanopia

37.2947, 0.2949, 0.3010

Deuteranopia

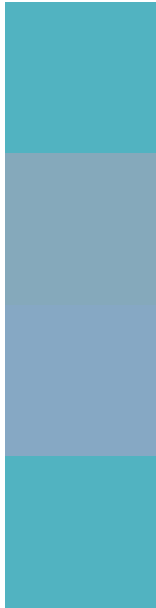
37.4135, 0.2855, 0.2801



Tritanopia

37.8398, 0.2365, 0.3071

Trichromacy



Original Color

37.8398, 0.2365, 0.3071

Protanomaly

36.9503, 0.2687, 0.3024

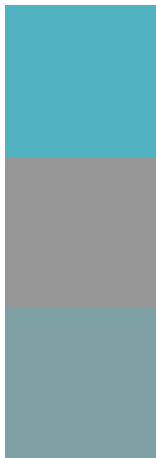
Deuteranomaly

37.0591, 0.2631, 0.2885

Tritanomaly

37.8398, 0.2365, 0.3071

Monochromacy



Original Color

37.8398, 0.2365, 0.3071

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

32.6785, 0.2773, 0.3210

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.8398, 0.2365, 0.3071 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(81, 179, 193)` looks like.

```
.text, #text, p{  
    color:rgb(81, 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(81, 179, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 179, 193) }
```

Border

The CSS property to change the border of an element to Yxy 37.8398, 0.2365, 0.3071 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(81, 179, 193) }
```

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

```
.border{ border-color:rgb(81, 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(81, 179, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 179, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 179, 193);  
box-shadow:4px 4px 4px 4px rgb(81, 179,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 37.8398, 0.2365, 0.3071 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 179, 193) }
```

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

```
.background{ background-color: rgb(81, 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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