

Converting Colors

$Y_{xy}(36.9882, 0.2359, 0.3015)$

Have a look what the booklet for
Yxy(36.9882, 0.2359, 0.3015)
contains.

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Color

Yxy(37.1783, 0.2362, 0.3025)

Conversions

Conversions Part 1

Format	Color
Hex	53B1C2
RGB	83, 177, 194
RGB Percent	33%, 69%, 76%
CMY	0.6744, 0.3059, 0.2391
CMYK	0.57, 0.09, 0.00, 0.24
HSL	189°, 48%, 54%
HSV	189°, 57%, 76%
XYZ	29.0298, 37.1783, 56.6954
YIQ	150.8320, -61.4810, -14.6410

Conversions

Conversions Part 2

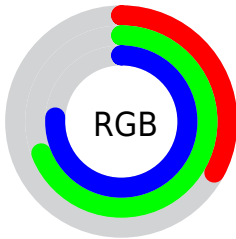
Format	Color
R _Y B	83, 134, 194
Decimal	5484994
CIE Lab	67.41, -22.81, -17.09
CIE LCh	67, 28.499, 216.846
Yxy	37.1783, 0.2362, 0.3025
Android (android.graphics.Color)	4283675074 (0xFF53B1C2)
YUV	150.8320, 21.2818, -59.4887
Hunter-Lab	60.9740, -21.7205, -12.4477

Details

The Yxy color **37.1783, 0.2362, 0.3025** 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 **21.2195, 0.4699, 0.3514**, and the grayscale version is **30.8024, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.9936, 0.2502, 0.3078**, and **16.3088, 0.2149, 0.2934** is the 20% darker color. If you saturate the color by 10%, you get **35.2544, 0.2273, 0.2971**, and if you desaturate by 10%, it is **39.3775, 0.2468, 0.3078**.

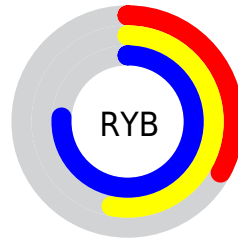
Distribution



Red (33%)

Green (69%)

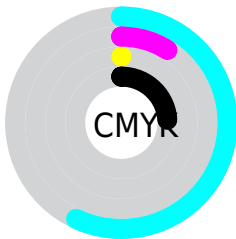
Blue (76%)



Red (33%)

Yellow (53%)

Blue (76%)

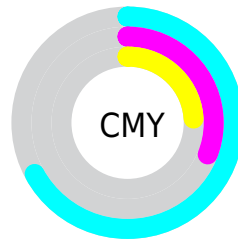


Cyan (57%)

Magenta (9%)

Yellow (0%)

Black (24%)



Cyan (67%)


Magenta (31%)

Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.1783, 0.2362, 0.3025 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 37.1783, 0.2362, 0.3025 by changing the saturation by 10% instead.

 37.1783, 0.2362,
0.3025


 37.1783, 0.2362,
0.3025


334.0818, 0.2747,
0.3172

 25.3456, 0.2266,
0.2984


 70.8469, 0.2502,
0.3082


 16.3347, 0.2143,
0.2928


 93.4516, 0.2555,
0.3102

 9.7613, 0.1980,
0.2849


 120.4157, 0.2599,
0.3119

 5.2410, 0.1758,
0.2731

 152.1237, 0.2637,
0.3133

 2.3893, 0.1438,
0.2538

188.9599, 0.2670,
0.3145

 0.8204, 0.0615,
0.2263

231.3087, 0.2699,

 0.0000, 0.0000,

0.3155

0.0000

279.5546, 0.2725,
0.3164

■ 37.1783, 0.2362,
0.3025

■ 37.1783, 0.2362,
0.3025

■ 35.2544, 0.2273,
0.2971

■ 39.3775, 0.2468,
0.3078

■ 33.5803, 0.2203,
0.2917

■ 41.8668, 0.2590,
0.3128

■ 32.1326, 0.2151,
0.2862

■ 44.6645, 0.2724,
0.3176

■ 30.8765, 0.2118,
0.2808

■ 47.7865, 0.2867,
0.3221

■ 30.5427, 0.2109,
0.2793

■ 51.2472, 0.3017,
0.3262

■ 55.0603, 0.3170,
0.3300

■ 59.2386, 0.3324,
0.3334

■ 63.7943, 0.3477,
0.3365

■ 68.2346, 0.3605,
0.3392

Harmonies

Analogous

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



37.1783, 0.2553, 0.3435



37.1783, 0.2362, 0.3025



37.1783, 0.2359, 0.2730

Triad

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



37.1783, 0.2362, 0.3025



37.1783, 0.3318, 0.2827



37.1783, 0.3713, 0.4019

Complementary

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



37.1783, 0.2362, 0.3025



21.2195, 0.4699, 0.3514

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.



37.1783, 0.3951, 0.3791



37.1783, 0.2362, 0.3025



37.1783, 0.3721, 0.3119

Square

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



37.1783, 0.2362, 0.3025



37.1783, 0.2886, 0.2641



37.1783, 0.3958, 0.3463



37.1783, 0.3325, 0.4049

Rectangle

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



37.1783, 0.2362, 0.3025



37.1783, 0.2462, 0.2625



37.1783, 0.3958, 0.3463



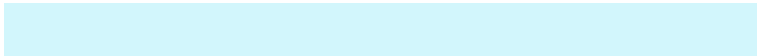
37.1783, 0.3814, 0.3961

Sweetspot

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



37.1797, 0.2362, 0.3025



86.5220, 0.2866, 0.3221



41.3458, 0.2954, 0.4857



18.6829, 0.2836, 0.3212



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.



37.1797, 0.2362, 0.3025



62.9386, 0.2251, 0.2955



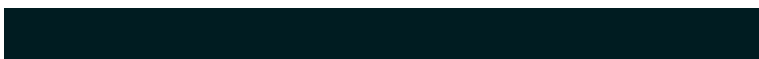
19.6237, 0.2163, 0.2095



11.1568, 0.2984, 0.3254



20.1736, 0.2111, 0.2801



0.9443, 0.2145, 0.2921

Inverse Universe

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



20.8363, 0.3397, 0.2127



31.7420, 0.3473, 0.1943



35.5962, 0.4217, 0.4220



10.2201, 0.3160, 0.3097



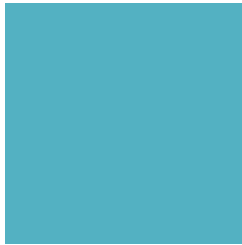
9.3188, 0.3634, 0.1776



0.4100, 0.3525, 0.1715

Previews

White Background



This preview shows how the Yxy color 37.1783, 0.2362, 0.3025 looks on a white background.

Color Contrast Check

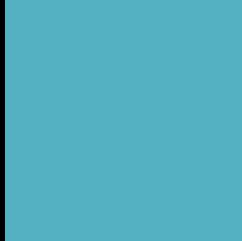
Large Text (above 18pt) WCAG AA × Fail

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 37.1783, 0.2362, 0.3025 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

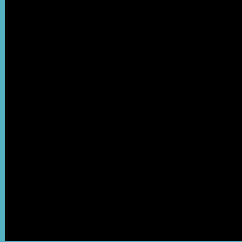
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.1783, 0.2362, 0.3025

Background



This preview shows how black text looks on a background with the Yxy color 37.1783, 0.2362, 0.3025.



This preview shows how white text looks on a background with the Yxy color 37.1783, 0.2362, 0.3025.

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

37.1783, 0.2362, 0.3025

Protanopia

36.7749, 0.2923, 0.2980

Deuteranopia

36.9002, 0.2829, 0.2772



Tritanopia

37.0439, 0.2368, 0.3055

Trichromacy



Original Color

37.1783, 0.2362, 0.3025

Protanomaly

36.1738, 0.2669, 0.2979

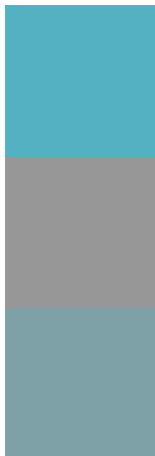
Deuteranomaly

36.2902, 0.2614, 0.2841

Tritanomaly

37.0884, 0.2363, 0.3040

Monochromacy



Original Color

37.1783, 0.2362, 0.3025

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

32.3673, 0.2764, 0.3178

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.1783, 0.2362, 0.3025 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(83, 177, 194)` looks like.

```
.text, #text, p{  
    color:rgb(83, 177, 194)  
}
```

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(83, 177, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 177, 194) }
```

Border

The CSS property to change the border of an element to Yxy 37.1783, 0.2362, 0.3025 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(83, 177, 194) }
```

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

```
.border{ border-color:rgb(83, 177, 194) }
```

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

Here you see how a box with a 4 pixel rgb(83, 177, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 177, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 177, 194);  
box-shadow:4px 4px 4px 4px rgb(83, 177,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 37.1783, 0.2362, 0.3025 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 177, 194) }
```

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

```
.background{ background-color: rgb(83, 177,  
194) }
```

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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