

Converting Colors

$Y_{xy}(47.1631, 0.2338, 0.3007)$

Have a look what the booklet for
Yxy(47.1631, 0.2338, 0.3007)
contains.

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Color

Yxy(47.0661, 0.2340, 0.3008)

Conversions

Conversions Part 1

Format	Color
Hex	59C5D9
RGB	89, 197, 217
RGB Percent	35%, 77%, 85%
CMY	0.6507, 0.2275, 0.1491
CMYK	0.59, 0.09, 0.00, 0.15
HSL	189°, 63%, 60%
HSV	189°, 59%, 85%
XYZ	36.6139, 47.0661, 72.7897
YIQ	166.9880, -70.7880, -16.6760

Conversions

Conversions Part 2

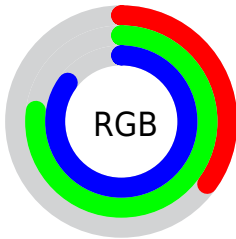
Format	Color
RYB	89, 148, 217
Decimal	5883353
CIELab	74.23, -25.12, -19.30
CIELCh	74, 31.683, 217.539
Yxy	47.0661, 0.2340, 0.3008
Android (android.graphics.Color)	4284073433 (0xFF59C5D9)
YUV	166.9880, 24.6559, -68.3955
Hunter-Lab	68.6047, -24.7940, -14.8835

Details

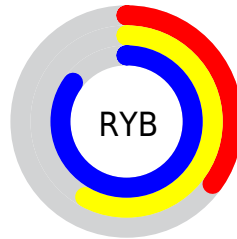
The Yxy color **47.0661, 0.2340, 0.3008** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **26.4236, 0.4786, 0.3523**, and the grayscale version is **38.5508, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.5877, 0.2560, 0.3277**, and **22.2536, 0.2144, 0.2920** is the 20% darker color. If you saturate the color by 10%, you get **44.6242, 0.2254, 0.2952**, and if you desaturate by 10%, it is **49.8625, 0.2444, 0.3062**.

Distribution



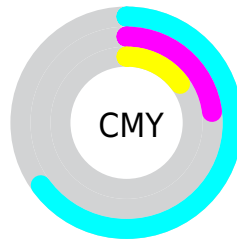
- Red (35%)
- Green (77%)
- Blue (85%)



- Red (35%)
- Yellow (58%)
- Blue (85%)



- Cyan (59%)
- Magenta (9%)
- Yellow (0%)
- Black (15%)



- Cyan (65%)
- Magenta (23%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.0661, 0.2340, 0.3008 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 47.0661, 0.2340, 0.3008 by changing the saturation by 10% instead.


 47.0661, 0.2340,
0.3008

 47.0661, 0.2340,
0.3008


375.0783, 0.2720,
0.3159

 33.0879, 0.2250,
0.2968


 85.8123, 0.2475,
0.3065

 22.1938, 0.2137,
0.2915


 111.3491, 0.2526,
0.3085

 13.9994, 0.1992,
0.2844


 141.5075, 0.2571,
0.3103

 8.1202, 0.1800,
0.2741

 176.6720, 0.2609,
0.3117

 4.1720, 0.1536,
0.2585

217.2269, 0.2642,
0.3130

 1.7702, 0.1162,
0.2325

263.5567, 0.2671,

 0.4685, 0.0000,

0.3141

0.1779

316.0457, 0.2697,
0.3150

■ 0.0000, 0.0000,
0.0000

■ 47.0661, 0.2340,
0.3008

■ 47.0661, 0.2340,
0.3008

■ 44.6242, 0.2254,
0.2952

■ 49.8625, 0.2444,
0.3062

■ 42.5027, 0.2187,
0.2896

■ 53.0336, 0.2564,
0.3115

■ 40.6691, 0.2140,
0.2841

■ 56.6040, 0.2697,
0.3165

■ 39.0698, 0.2108,
0.2785

■ 60.5947, 0.2840,
0.3211

■ 38.9075, 0.2106,
0.2780

■ 65.0251, 0.2990,
0.3255

■ 69.9133, 0.3143,
0.3294

■ 75.2763, 0.3298,
0.3330

■ 79.6471, 0.3396,
0.3363

■ 81.4893, 0.3391,
0.3396

Harmonies

Analogous

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



47.0661, 0.2531, 0.3428



47.0661, 0.2340, 0.3008



47.0661, 0.2342, 0.2709

Triad

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



47.0661, 0.2340, 0.3008



47.0661, 0.3333, 0.2821



47.0661, 0.3720, 0.4042

Complementary

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



47.0661, 0.2340, 0.3008



26.4236, 0.4786, 0.3523

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.



47.0661, 0.3970, 0.3810



47.0661, 0.2340, 0.3008



47.0661, 0.3745, 0.3121

Square

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



47.0661, 0.2340, 0.3008



47.0661, 0.2889, 0.2628



47.0661, 0.3984, 0.3474



47.0661, 0.3319, 0.4069

Rectangle

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



47.0661, 0.2340, 0.3008



47.0661, 0.2450, 0.2605



47.0661, 0.3984, 0.3474



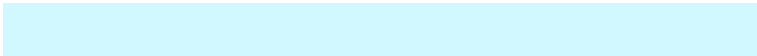
47.0661, 0.3825, 0.3983

Sweetspot

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



47.0679, 0.2340, 0.3008



87.8184, 0.2851, 0.3215



52.8343, 0.2951, 0.4925



18.4183, 0.2808, 0.3202



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.



47.0679, 0.2340, 0.3008



63.4518, 0.2234, 0.2937



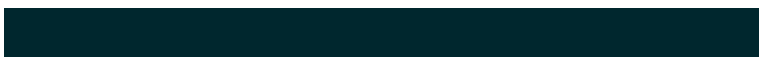
24.1443, 0.2127, 0.2041



14.4648, 0.2982, 0.3253



23.6837, 0.2108, 0.2788



1.6296, 0.2133, 0.2878

Inverse Universe

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



25.9384, 0.3414, 0.2095



31.6808, 0.3491, 0.1923



45.0601, 0.4263, 0.4249



13.2381, 0.3161, 0.3095



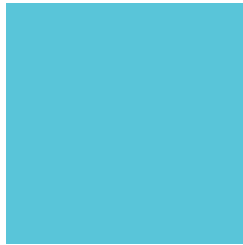
11.0147, 0.3646, 0.1782



0.7232, 0.3563, 0.1737

Previews

White Background



This preview shows how the Yxy color 47.0661, 0.2340, 0.3008 looks on a white background.

Color Contrast Check

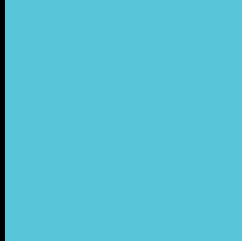
Large Text (above 18pt) WCAG AA × Fail

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 47.0661, 0.2340, 0.3008 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

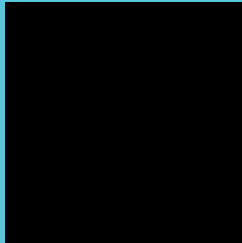
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.0661, 0.2340, 0.3008

Background



This preview shows how black text looks on a background with the Yxy color 47.0661, 0.2340, 0.3008.



This preview shows how white text looks on a background with the Yxy color 47.0661, 0.2340, 0.3008.

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

47.0661, 0.2340, 0.3008

Protanopia

46.4459, 0.2904, 0.2958

Deuteranopia

46.2484, 0.2812, 0.2746



Tritanopia

47.3179, 0.2353, 0.3062

Trichromacy



Original Color

47.0661, 0.2340, 0.3008

Protanomaly

45.7907, 0.2648, 0.2967

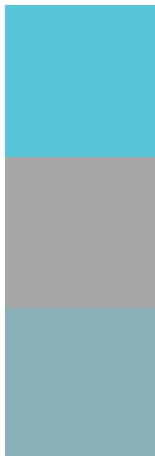
Deuteranomaly

45.5593, 0.2591, 0.2816

Tritanomaly

47.3692, 0.2348, 0.3049

Monochromacy



Original Color

47.0661, 0.2340, 0.3008

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

40.8325, 0.2758, 0.3188

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.0661, 0.2340, 0.3008 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(89, 197, 217)` looks like.

```
.text, #text, p{  
    color:rgb(89, 197, 217)  
}
```

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(89, 197, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 197, 217) }
```

Border

The CSS property to change the border of an element to Yxy 47.0661, 0.2340, 0.3008 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(89, 197, 217) }
```

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

```
.border{ border-color:rgb(89, 197, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 197, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 197, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 197, 217);  
box-shadow:4px 4px 4px 4px rgb(89, 197,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 47.0661, 0.2340, 0.3008 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 197, 217) }
```

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

```
.background{ background-color: rgb(89, 197,  
217) }
```

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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