

Converting Colors

$Yxy(48.1432, 0.2597, 0.3611)$

Have a look what the booklet for
Yxy(48.1432, 0.2597, 0.3611)
contains.

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Color

Yxy(48.3030, 0.2597, 0.3613)

Conversions

Conversions Part 1

Format	Color
Hex	65CAB4
RGB	101, 202, 180
RGB Percent	40%, 79%, 71%
CMY	0.6041, 0.2078, 0.2941
CMYK	0.50, 0.00, 0.11, 0.21
HSL	167°, 49%, 59%
HSV	167°, 50%, 79%
XYZ	34.7199, 48.3030, 50.6694
YIQ	169.2930, -53.1340, -28.2540

Conversions

Conversions Part 2

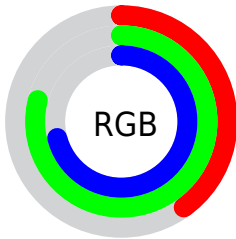
Format	Color
RYB	101, 158, 202
Decimal	6671028
CIELab	75.02, -34.89, 1.94
CIElCh	75, 34.939, 176.821
Yxy	48.3030, 0.2597, 0.3613
Android (android.graphics.Color)	4284861108 (0xFF65CAB4)
YUV	169.2930, 5.2786, -59.8930
Hunter-Lab	69.5004, -32.4535, 5.4248

Details

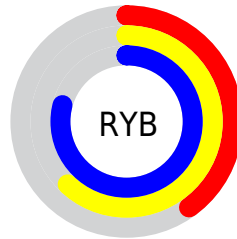
The Yxy color **48.3030, 0.2597, 0.3613** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **23.2835, 0.4211, 0.3009**, and the grayscale version is **39.8156, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.8452, 0.2684, 0.3504**, and **22.8311, 0.2451, 0.3705** is the 20% darker color. If you saturate the color by 10%, you get **47.1029, 0.2530, 0.3690**, and if you desaturate by 10%, it is **49.7991, 0.2681, 0.3539**.

Distribution



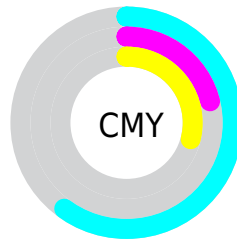
- Red (40%)
- Green (79%)
- Blue (71%)



- Red (40%)
- Yellow (62%)
- Blue (79%)



- Cyan (50%)
- Magenta (0%)
- Yellow (11%)
- Black (21%)





- Cyan (60%)
- Magenta (21%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.3030, 0.2597, 0.3613 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 48.3030, 0.2597, 0.3613 by changing the saturation by 10% instead.


 48.3030, 0.2597,
0.3613

 48.3030, 0.2597,
0.3613


379.9919, 0.2860,
0.3452

 34.0669, 0.2532,
0.3653


 87.6554, 0.2692,
0.3554


 22.9450, 0.2449,
0.3705


 113.5404, 0.2728,
0.3532

 14.5529, 0.2340,
0.3774


 144.0773, 0.2758,
0.3514

 8.5062, 0.2190,
0.3869

 179.6503, 0.2784,
0.3498

 4.4205, 0.1971,
0.4011

220.6438, 0.2807,
0.3484

 1.9115, 0.1618,
0.4245

267.4424, 0.2827,

 0.5553, 0.0000,

0.3472

0.5421

320.4303, 0.2844,
0.3461

0.0000, 0.0000,
0.0000

48.3030, 0.2597,
0.3613

48.3030, 0.2597,
0.3613

47.1029, 0.2530,
0.3690

49.7991, 0.2681,
0.3539

46.1717, 0.2481,
0.3769

51.6047, 0.2779,
0.3469

45.4867, 0.2451,
0.3849

53.7394, 0.2887,
0.3404

45.0192, 0.2441,
0.3929

56.2195, 0.3004,
0.3345

44.7152, 0.2447,
0.4008

59.0600, 0.3127,
0.3290

■ 62.2754, 0.3252,
0.3241

■ 65.8790, 0.3378,
0.3198

■ 68.4231, 0.3444,
0.3156

■ 68.6527, 0.3410,
0.3112

Harmonies

Analogous

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



48.3030, 0.3025, 0.4015



48.3030, 0.2597, 0.3613



48.3030, 0.2322, 0.3132

Triad

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



48.3030, 0.2597, 0.3613



48.3030, 0.2712, 0.2535



48.3030, 0.4086, 0.3727

Complementary

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



48.3030, 0.2597, 0.3613



23.2835, 0.4211, 0.3009

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.



48.3030, 0.4001, 0.3347



48.3030, 0.2597, 0.3613



48.3030, 0.3173, 0.2691

Square

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



48.3030, 0.2597, 0.3613



48.3030, 0.2386, 0.2548



48.3030, 0.3656, 0.2979



48.3030, 0.3895, 0.4038

Rectangle

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



48.3030, 0.2597, 0.3613



48.3030, 0.2251, 0.2860



48.3030, 0.3656, 0.2979



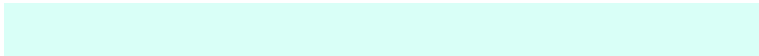
48.3030, 0.4090, 0.3604

Sweetspot

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



48.3049, 0.2597, 0.3613



92.9283, 0.2943, 0.3375



47.5093, 0.3213, 0.4791



19.7019, 0.2918, 0.3388



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.



48.3049, 0.2597, 0.3613



79.6010, 0.2525, 0.3696



37.7115, 0.2402, 0.2888



12.6836, 0.3012, 0.3341



28.7837, 0.2444, 0.3998



1.4956, 0.2401, 0.3843

Inverse Universe

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



23.2835, 0.4211, 0.3009



32.5213, 0.4598, 0.2968



28.9074, 0.4335, 0.3642



11.2530, 0.3256, 0.3240



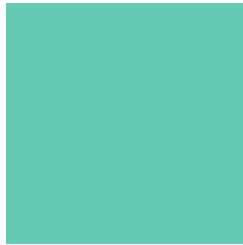
8.2080, 0.6008, 0.3083



0.4351, 0.5449, 0.2776

Previews

White Background



This preview shows how the Yxy color 48.3030, 0.2597, 0.3613 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 48.3030, 0.2597, 0.3613 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

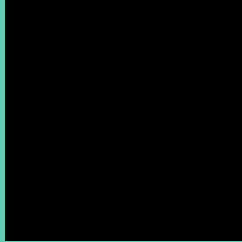
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

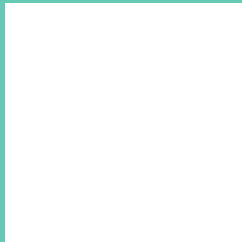
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.3030, 0.2597, 0.3613

Background



This preview shows how black text looks on a background with the Yxy color 48.3030, 0.2597, 0.3613.



This preview shows how white text looks on a background with the Yxy color 48.3030, 0.2597, 0.3613.

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

48.3030, 0.2597, 0.3613

Protanopia

47.7164, 0.3292, 0.3458

Deuteranopia

47.6229, 0.3262, 0.3204



Tritanopia

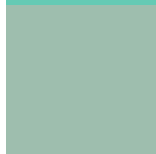
48.1161, 0.2457, 0.3068

Trichromacy



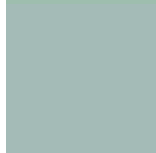
Original Color

48.3030, 0.2597, 0.3613



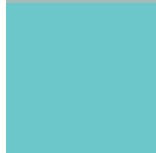
Protanomaly

47.1520, 0.2989, 0.3510



Deuteranomaly

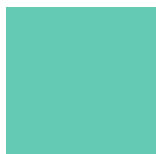
46.8521, 0.2971, 0.3344



Tritanomaly

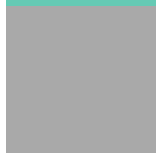
48.1897, 0.2505, 0.3260

Monochromacy



Original Color

48.3030, 0.2597, 0.3613



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

41.9942, 0.2884, 0.3405

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.3030, 0.2597, 0.3613 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(101, 202, 180)` looks like.

```
.text, #text, p{  
    color:rgb(101, 202, 180)  
}
```

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(101, 202, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 202, 180) }
```

Border

The CSS property to change the border of an element to Yxy 48.3030, 0.2597, 0.3613 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(101, 202, 180) }
```

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

```
.border{ border-color:rgb(101, 202, 180) }
```

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

Here you see how a box with a 4 pixel rgb(101, 202, 180) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 202, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 202, 180);  
box-shadow:4px 4px 4px 4px rgb(101, 202,  
180) }
```


Background

The CSS property to change the background color of an element to Yxy 48.3030, 0.2597, 0.3613 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 202, 180) }
```

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

```
.background{ background-color: rgb(101,  
202, 180) }
```

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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