

Converting Colors

$Yxy(48.2442, 0.2530, 0.3433)$

Have a look what the booklet for
Yxy(48.2442, 0.2530, 0.3433)
contains.

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Color

Yxy(48.2442, 0.2530, 0.3433)

Conversions

Conversions Part 1

Format	Color
Hex	64C9BF
RGB	100, 201, 191
RGB Percent	39%, 79%, 75%
CMY	0.6075, 0.2118, 0.2509
CMYK	0.50, 0.00, 0.05, 0.21
HSL	174°, 48%, 59%
HSV	174°, 50%, 79%
XYZ	35.5543, 48.2442, 56.7323
YIQ	169.6610, -56.9860, -24.5220

Conversions

Conversions Part 2

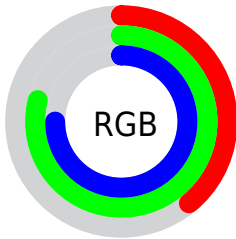
Format	Color
RYB	100, 153, 201
Decimal	6605247
CIELab	74.98, -31.89, -4.08
CIELCh	75, 32.145, 187.285
Yxy	48.2442, 0.2530, 0.3433
Android (android.graphics.Color)	4284795327 (0xFF64C9BF)
YUV	169.6610, 10.5201, -61.0927
Hunter-Lab	69.4580, -30.1808, 0.1935

Details

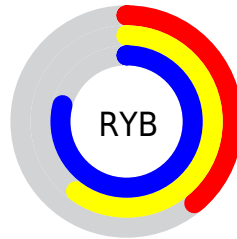
The Yxy color **48.2442, 0.2530, 0.3433** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **22.6766, 0.4393, 0.3165**, and the grayscale version is **40.0013, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.5045, 0.2633, 0.3378**, and **22.7678, 0.2363, 0.3451** is the 20% darker color. If you saturate the color by 10%, you get **47.1496, 0.2454, 0.3466**, and if you desaturate by 10%, it is **49.6265, 0.2624, 0.3401**.

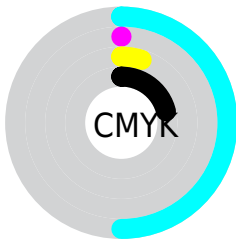
Distribution



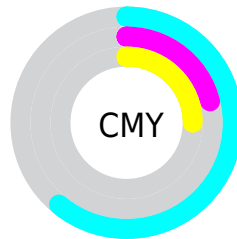
- Red (39%)
- Green (79%)
- Blue (75%)



- Red (39%)
- Yellow (60%)
- Blue (79%)



- Cyan (50%)
- Magenta (0%)
- Yellow (5%)
- Black (21%)





- Cyan (61%)
- Magenta (21%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.2442, 0.2530, 0.3433 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 48.2442, 0.2530, 0.3433 by changing the saturation by 10% instead.


 48.2442, 0.2530,
0.3433

 48.2442, 0.2530,
0.3433


379.7593, 0.2823,
0.3366


 34.0203, 0.2459,
0.3448


 87.5679, 0.2635,
0.3410


 22.9092, 0.2369,
0.3467


 113.4365, 0.2675,
0.3401

 14.5265, 0.2250,
0.3490


 143.9554, 0.2709,
0.3393

 8.4877, 0.2090,
0.3520

 179.5091, 0.2738,
0.3386

 4.4086, 0.1860,
0.3557

220.4819, 0.2763,
0.3380

 1.9047, 0.1509,
0.3602

267.2583, 0.2786,

 0.5512, 0.0000,

0.3375

0.3837

320.2226, 0.2805,
0.3370

0.0000, 0.0000,
0.0000

48.2442, 0.2530,
0.3433

48.2442, 0.2530,
0.3433

47.1496, 0.2454,
0.3466

49.6265, 0.2624,
0.3401

46.3160, 0.2397,
0.3500

51.3099, 0.2732,
0.3370

45.7210, 0.2359,
0.3534

53.3136, 0.2854,
0.3342

45.3360, 0.2339,
0.3568

55.6537, 0.2986,
0.3315

45.1098, 0.2334,
0.3601

58.3451, 0.3124,
0.3290

■ 61.4020, 0.3267,
0.3268

■ 64.8375, 0.3412,
0.3249

■ 67.5303, 0.3510,
0.3230

■ 67.6282, 0.3494,
0.3210

Harmonies

Analogous

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



48.2442, 0.2886, 0.3845



48.2442, 0.2530, 0.3433



48.2442, 0.2336, 0.3009

Triad

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



48.2442, 0.2530, 0.3433



48.2442, 0.2883, 0.2623



48.2442, 0.3977, 0.3810

Complementary

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



48.2442, 0.2530, 0.3433



22.6766, 0.4393, 0.3165

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.



48.2442, 0.3988, 0.3472



48.2442, 0.2530, 0.3433



48.2442, 0.3331, 0.2816

Square

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



48.2442, 0.2530, 0.3433



48.2442, 0.2529, 0.2579



48.2442, 0.3746, 0.3117



48.2442, 0.3727, 0.4046

Rectangle

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



48.2442, 0.2530, 0.3433



48.2442, 0.2315, 0.2790



48.2442, 0.3746, 0.3117



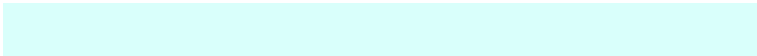
48.2442, 0.4010, 0.3704

Sweetspot

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



48.2461, 0.2530, 0.3433



93.2121, 0.2919, 0.3328



46.0182, 0.3118, 0.4841



19.7708, 0.2891, 0.3334



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.



48.2461, 0.2530, 0.3433



80.6278, 0.2450, 0.3468



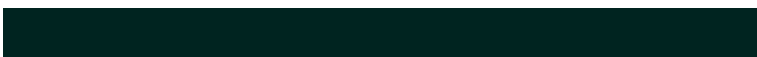
32.2932, 0.2359, 0.2674



12.0488, 0.2997, 0.3313



28.3737, 0.2332, 0.3596



1.3489, 0.2313, 0.3526

Inverse Universe

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



22.6766, 0.4393, 0.3165



32.0504, 0.4838, 0.3151



32.2275, 0.4242, 0.3815



10.6537, 0.3274, 0.3267



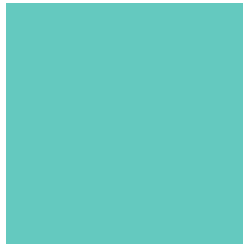
7.8455, 0.6273, 0.3230



0.3774, 0.5895, 0.3021

Previews

White Background



This preview shows how the Yxy color 48.2442, 0.2530, 0.3433 looks on a white background.

Color Contrast Check

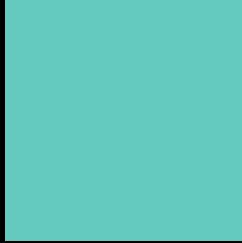
Large Text (above 18pt) WCAG AA × Fail

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 48.2442, 0.2530, 0.3433 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

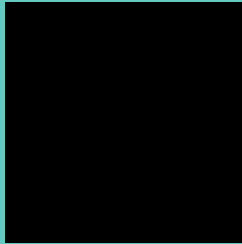
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

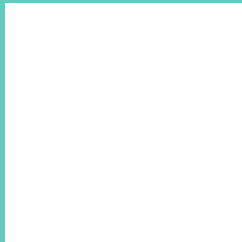
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.2442, 0.2530, 0.3433

Background



This preview shows how black text looks on a background with the Yxy color 48.2442, 0.2530, 0.3433.

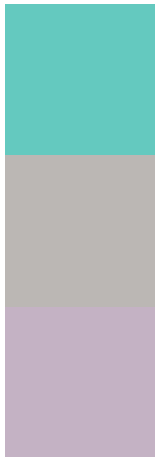


This preview shows how white text looks on a background with the Yxy color 48.2442, 0.2530, 0.3433.

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

48.2442, 0.2530, 0.3433

Protanopia

47.7271, 0.3185, 0.3329

Deuteranopia

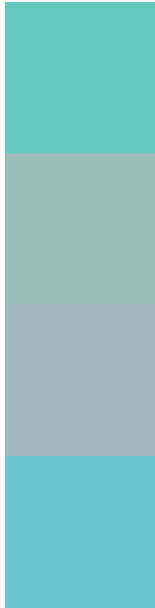
47.5621, 0.3138, 0.3067



Tritanopia

48.3690, 0.2435, 0.3067

Trichromacy



Original Color

48.2442, 0.2530, 0.3433

Protanomaly

47.2562, 0.2895, 0.3371

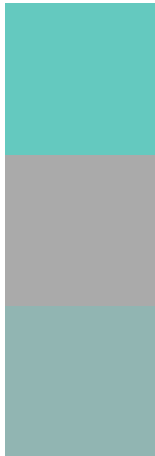
Deuteranomaly

46.5899, 0.2868, 0.3182

Tritanomaly

48.2461, 0.2464, 0.3190

Monochromacy



Original Color

48.2442, 0.2530, 0.3433

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

42.2818, 0.2856, 0.3332

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.2442, 0.2530, 0.3433 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(100, 201, 191)` looks like.

```
.text, #text, p{  
    color:rgb(100, 201, 191)  
}
```

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(100, 201, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 201, 191) }
```

Border

The CSS property to change the border of an element to Yxy 48.2442, 0.2530, 0.3433 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(100, 201, 191) }
```

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

```
.border{ border-color:rgb(100, 201, 191) }
```

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

Here you see how a box with a 4 pixel rgb(100, 201, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 201, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 201, 191);  
box-shadow:4px 4px 4px 4px rgb(100, 201,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 48.2442, 0.2530, 0.3433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 201, 191) }
```

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

```
.background{ background-color: rgb(100,  
201, 191) }
```

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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