

Converting Colors

$Yxy(48.0734, 0.2643, 0.3642)$

Have a look what the booklet for
Yxy(48.0734, 0.2643, 0.3642)
contains.

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Color

Yxy(48.0734, 0.2643, 0.3642)

Conversions

Conversions Part 1

Format	Color
Hex	6BC9B1
RGB	107, 201, 177
RGB Percent	42%, 79%, 69%
CMY	0.5803, 0.2118, 0.3059
CMYK	0.47, 0.00, 0.12, 0.21
HSL	165°, 47%, 60%
HSV	165°, 47%, 79%
XYZ	34.8869, 48.0734, 49.0370
YIQ	170.1580, -48.3200, -27.3920

Conversions

Conversions Part 2

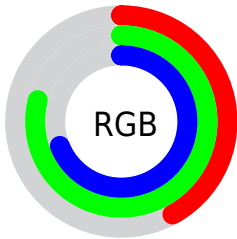
Format	Color
RYB	107, 161, 201
Decimal	7063985
CIELab	74.87, -33.69, 3.37
CIELCh	75, 33.859, 174.286
Yxy	48.0734, 0.2643, 0.3642
Android (android.graphics.Color)	4285254065 (0xFF6BC9B1)
YUV	170.1580, 3.3731, -55.3896
Hunter-Lab	69.3350, -31.5214, 6.6018

Details

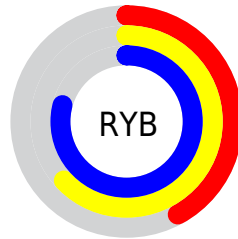
The Yxy color **48.0734, 0.2643, 0.3642** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **24.5746, 0.4055, 0.2980**, and the grayscale version is **40.2845, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.1897, 0.2723, 0.3537**, and **22.6660, 0.2510, 0.3747** is the 20% darker color. If you saturate the color by 10%, you get **46.7699, 0.2573, 0.3732**, and if you desaturate by 10%, it is **49.6780, 0.2728, 0.3556**.

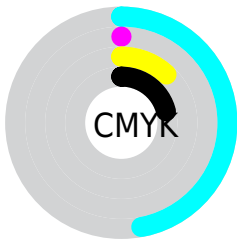
Distribution



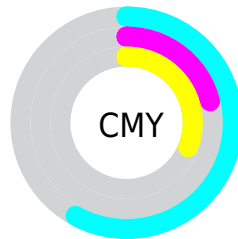
- Red (42%)
- Green (79%)
- Blue (69%)



- Red (42%)
- Yellow (63%)
- Blue (79%)



- Cyan (47%)
- Magenta (0%)
- Yellow (12%)
- Black (21%)



- Cyan (58%)
- Magenta (21%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.0734, 0.2643, 0.3642 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 48.0734, 0.2643, 0.3642 by changing the saturation by 10% instead.


 48.0734, 0.2643,
0.3642


 48.0734, 0.2643,
0.3642


379.0830, 0.2884,
0.3465


 33.8850, 0.2583,
0.3687


 87.3137, 0.2730,
0.3577


 22.8053, 0.2507,
0.3745


 113.1344, 0.2763,
0.3553

 14.4498, 0.2405,
0.3822


 143.6013, 0.2791,
0.3532

 8.4342, 0.2265,
0.3930

 179.0988, 0.2815,
0.3515

 4.3740, 0.2058,
0.4094

220.0113, 0.2836,
0.3500

 1.8849, 0.1721,
0.4369

266.7233, 0.2854,

 0.5393, 0.0000,

0.3487

0.6054

319.6190, 0.2870,
0.3475

0.0000, 0.0000,
0.0000

48.0734, 0.2643,
0.3642

48.0734, 0.2643,
0.3642

46.7699, 0.2573,
0.3732

49.6780, 0.2728,
0.3556

45.7414, 0.2521,
0.3826

51.5963, 0.2826,
0.3475

44.9665, 0.2488,
0.3921


53.8474, 0.2933,
0.3401

44.4185, 0.2475,
0.4017


56.4469, 0.3048,
0.3332

44.0619, 0.2480,
0.4111

59.4095, 0.3166,
0.3271

 43.9661, 0.2484,
0.4142

 62.7491, 0.3286,
0.3216

 66.4788, 0.3406,
0.3167

 68.0994, 0.3423,
0.3117

 68.3724, 0.3384,
0.3066

Harmonies

Analogous

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



48.0734, 0.3068, 0.4015



48.0734, 0.2643, 0.3642



48.0734, 0.2360, 0.3176

Triad

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



48.0734, 0.2643, 0.3642



48.0734, 0.2691, 0.2549



48.0734, 0.4062, 0.3687

Complementary

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



48.0734, 0.2643, 0.3642



24.5746, 0.4055, 0.2980

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.



48.0734, 0.3955, 0.3315



48.0734, 0.2643, 0.3642



48.0734, 0.3132, 0.2688

Square

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



48.0734, 0.2643, 0.3642



48.0734, 0.2387, 0.2578



48.0734, 0.3604, 0.2960



48.0734, 0.3898, 0.3997

Rectangle

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



48.0734, 0.2643, 0.3642



48.0734, 0.2278, 0.2903



48.0734, 0.3604, 0.2960



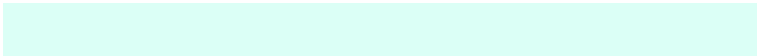
48.0734, 0.4058, 0.3566

Sweetspot

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



48.0753, 0.2643, 0.3642



93.2734, 0.2962, 0.3383



47.7477, 0.3236, 0.4672



19.7660, 0.2938, 0.3398



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.



48.0753, 0.2643, 0.3642



80.0682, 0.2573, 0.3733



39.6123, 0.2452, 0.2966



12.0195, 0.3017, 0.3350



27.6590, 0.2480, 0.4128



1.3209, 0.2425, 0.3932

Inverse Universe

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



24.5746, 0.4055, 0.2980



35.0516, 0.4379, 0.2926



29.1650, 0.4245, 0.3580



10.6806, 0.3250, 0.3231



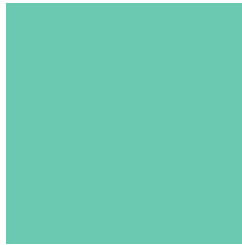
7.9725, 0.5891, 0.3019



0.3897, 0.5278, 0.2681

Previews

White Background



This preview shows how the Yxy color 48.0734, 0.2643, 0.3642 looks on a white background.

Color Contrast Check

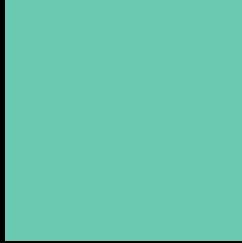
Large Text (above 18pt) WCAG AA × Fail

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 48.0734, 0.2643, 0.3642 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

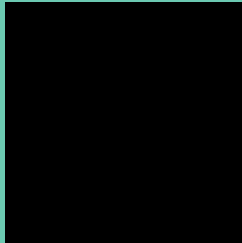
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

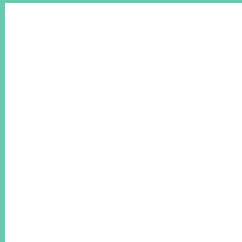
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.0734, 0.2643, 0.3642

Background



This preview shows how black text looks on a background with the Yxy color 48.0734, 0.2643, 0.3642.

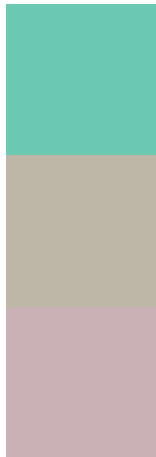


This preview shows how white text looks on a background with the Yxy color 48.0734, 0.2643, 0.3642.

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

48.0734, 0.2643, 0.3642

Protanopia

47.6041, 0.3317, 0.3497

Deuteranopia

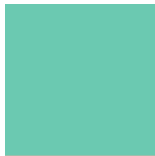
47.2392, 0.3298, 0.3228



Tritanopia

48.0152, 0.2490, 0.3069

Trichromacy



Original Color

48.0734, 0.2643, 0.3642



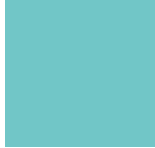
Protanomaly

47.2408, 0.3027, 0.3551



Deuteranomaly

46.6286, 0.3017, 0.3371



Tritanomaly

48.0224, 0.2544, 0.3274

Monochromacy



Original Color

48.0734, 0.2643, 0.3642



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

42.2679, 0.2908, 0.3404

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.0734, 0.2643, 0.3642 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(107, 201, 177)` looks like.

```
.text, #text, p{  
    color:rgb(107, 201, 177)  
}
```

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(107, 201, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 201, 177) }
```

Border

The CSS property to change the border of an element to Yxy 48.0734, 0.2643, 0.3642 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(107, 201, 177) }
```

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

```
.border{ border-color:rgb(107, 201, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 201, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 201, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 201, 177);  
box-shadow:4px 4px 4px 4px rgb(107, 201,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 48.0734, 0.2643, 0.3642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 201, 177) }
```

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

```
.background{ background-color: rgb(107,  
201, 177) }
```

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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