

Converting Colors

$Y_{xy}(48.5523, 0.2322, 0.3317)$

Have a look what the booklet for
Yxy(48.5523, 0.2322, 0.3317)
contains.

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Color

Yxy(48.7587, 0.2322, 0.3317)

Conversions

Conversions Part 1

Format	Color
Hex	36CDCB
RGB	54, 205, 203
RGB Percent	21%, 80%, 80%
CMY	0.7880, 0.1961, 0.2040
CMYK	0.74, 0.00, 0.01, 0.20
HSL	179°, 60%, 51%
HSV	179°, 74%, 80%
XYZ	34.1326, 48.7587, 64.1051
YIQ	159.6230, -89.3540, -32.6340

Conversions

Conversions Part 2

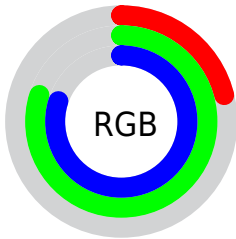
Format	Color
RYB	54, 130, 205
Decimal	3591627
CIELab	75.30, -38.14, -10.21
CIElCh	75, 39.485, 194.986
Yxy	48.7587, 0.2322, 0.3317
Android (android.graphics.Color)	4281781707 (0xFF36CDCB)
YUV	159.6230, 21.3849, -92.6314
Hunter-Lab	69.8274, -34.9449, -5.5520

Details

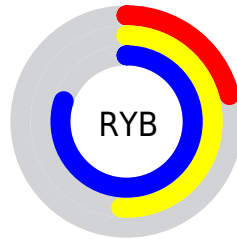
The Yxy color **48.7587, 0.2322, 0.3317** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **15.9084, 0.5610, 0.3280**, and the grayscale version is **34.9088, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.1000, 0.2464, 0.3288**, and **23.9826, 0.2252, 0.3307** is the 20% darker color. If you saturate the color by 10%, you get **48.2944, 0.2285, 0.3321**, and if you desaturate by 10%, it is **49.4657, 0.2378, 0.3313**.

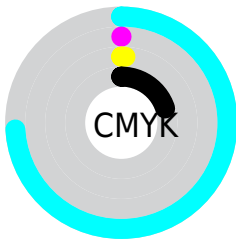
Distribution



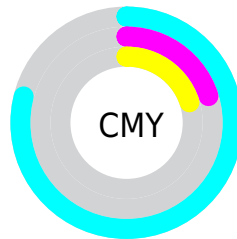
- Red (21%)
- Green (80%)
- Blue (80%)



- Red (21%)
- Yellow (51%)
- Blue (80%)



- Cyan (74%)
- Magenta (0%)
- Yellow (1%)
- Black (20%)




- Cyan (79%)
- Magenta (20%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.7587, 0.2322, 0.3317 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 48.7587, 0.2322, 0.3317 by changing the saturation by 10% instead.


 48.7587, 0.2322,
0.3317

 48.7587, 0.2322,
0.3317


381.7916, 0.2711,
0.3315


 34.4281, 0.2229,
0.3314


 88.3330, 0.2460,
0.3319

 23.2227, 0.2113,
0.3309


 114.3454, 0.2513,
0.3318


 14.7580, 0.1964,
0.3299


 145.0206, 0.2558,
0.3318

 8.6497, 0.1766,
0.3279

 180.7430, 0.2597,
0.3317

 4.5134, 0.1493,
0.3238

 221.8968, 0.2631,
0.3317

 1.9647, 0.1088,
0.3148

268.8666, 0.2661,

 0.5868, 0.0000,

0.3316

0.2943

322.0368, 0.2688,
0.3315

■ 0.0000, 0.0000,
0.0000

■ 48.7587, 0.2322,
0.3317

■ 48.7587, 0.2322,
0.3317

■ 48.2944, 0.2285,
0.3321

■ 49.4657, 0.2378,
0.3313

■ 48.0348, 0.2265,
0.3325

■ 50.4365, 0.2453,
0.3309

■ 47.9406, 0.2258,
0.3328

■ 51.6963, 0.2547,
0.3305

■ 53.2656, 0.2659,
0.3301

■ 55.1632, 0.2785,
0.3297

■ 57.4065, 0.2924,
0.3294

■ 60.0114, 0.3072,
0.3291

■ 62.9931, 0.3226,
0.3288

■ 66.3657, 0.3384,
0.3286

Harmonies

Analogous

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



48.7587, 0.2703, 0.3861



48.7587, 0.2322, 0.3317



48.7587, 0.2154, 0.2826

Triad

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



48.7587, 0.2322, 0.3317



48.7587, 0.2959, 0.2535



48.7587, 0.4106, 0.4000

Complementary

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



48.7587, 0.2322, 0.3317



15.9084, 0.5610, 0.3280

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.



48.7587, 0.4209, 0.3605



48.7587, 0.2322, 0.3317



48.7587, 0.3514, 0.2801

Square

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



48.7587, 0.2322, 0.3317



48.7587, 0.2495, 0.2431



48.7587, 0.3989, 0.3180



48.7587, 0.3735, 0.4252

Rectangle

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



48.7587, 0.2322, 0.3317



48.7587, 0.2169, 0.2599



48.7587, 0.3989, 0.3180



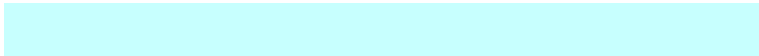
48.7587, 0.4175, 0.3878

Sweetspot

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



48.7605, 0.2322, 0.3317



90.8204, 0.2803, 0.3297



44.7875, 0.3027, 0.5611



19.2403, 0.2767, 0.3298



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.



48.7605, 0.2322, 0.3317



78.8340, 0.2272, 0.3324



21.7072, 0.2012, 0.2100



12.7244, 0.2985, 0.3293



29.8454, 0.2258, 0.3327



1.5405, 0.2255, 0.3319

Inverse Universe

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



15.9084, 0.5610, 0.3280



22.3324, 0.6185, 0.3288



28.4274, 0.4840, 0.4115



11.2161, 0.3288, 0.3287



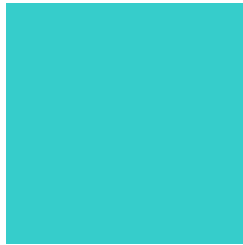
8.0848, 0.6385, 0.3291



0.4180, 0.6330, 0.3260

Previews

White Background



This preview shows how the Yxy color 48.7587, 0.2322, 0.3317 looks on a white background.

Color Contrast Check

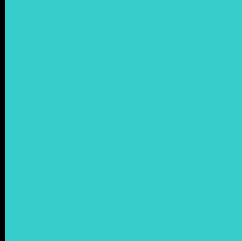
Large Text (above 18pt) WCAG AA × Fail

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 48.7587, 0.2322, 0.3317 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

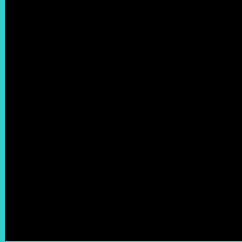
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

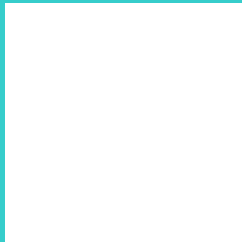
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.7587, 0.2322, 0.3317

Background



This preview shows how black text looks on a background with the Yxy color 48.7587, 0.2322, 0.3317.

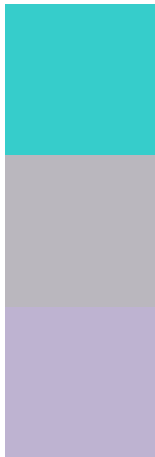


This preview shows how white text looks on a background with the Yxy color 48.7587, 0.2322, 0.3317.

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

48.7587, 0.2322, 0.3317

Protanopia

48.0238, 0.3098, 0.3201

Deuteranopia

47.7908, 0.2986, 0.2921



Tritanopia

48.9502, 0.2273, 0.3063

Trichromacy



Original Color

48.7587, 0.2322, 0.3317



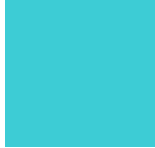
Protanomaly

46.6050, 0.2703, 0.3233



Deuteranomaly

46.1342, 0.2644, 0.3032



Tritanomaly

48.9819, 0.2291, 0.3159

Monochromacy



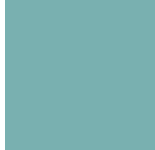
Original Color

48.7587, 0.2322, 0.3317



Achromatopsia

35.1533, 0.3127, 0.3290



Achromatomaly

38.2502, 0.2687, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.7587, 0.2322, 0.3317 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(54, 205, 203)` looks like.

```
.text, #text, p{  
    color:rgb(54, 205, 203)  
}
```

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(54, 205, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 205, 203) }
```

Border

The CSS property to change the border of an element to Yxy 48.7587, 0.2322, 0.3317 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(54, 205, 203) }
```

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

```
.border{ border-color:rgb(54, 205, 203) }
```

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

Here you see how a box with a 4 pixel rgb(54, 205, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 205, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 205, 203);  
box-shadow:4px 4px 4px 4px rgb(54, 205,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 48.7587, 0.2322, 0.3317 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 205, 203) }
```

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

```
.background{ background-color: rgb(54, 205,  
203) }
```

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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