

Converting Colors

$Y_{xy}(46.8222, 0.2435, 0.3337)$

Have a look what the booklet for
Yxy(46.8222, 0.2435, 0.3337)
contains.

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Color

Yxy(46.7637, 0.2432, 0.3332)

Conversions

Conversions Part 1

Format	Color
Hex	55C7C4
RGB	85, 199, 196
RGB Percent	33%, 78%, 77%
CMY	0.6667, 0.2196, 0.2314
CMYK	0.57, 0.00, 0.02, 0.22
HSL	178°, 50%, 56%
HSV	178°, 57%, 78%
XYZ	34.1324, 46.7637, 59.4511
YIQ	164.5720, -66.9810, -25.1010

Conversions

Conversions Part 2

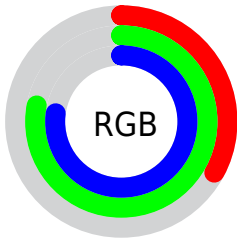
Format	Color
R _Y B	85, 143, 199
Decimal	5621700
CIE Lab	74.04, -32.70, -8.23
CIE LCh	74, 33.719, 194.124
Yxy	46.7637, 0.2432, 0.3332
Android (android.graphics.Color)	4283811780 (0xFF55C7C4)
YUV	164.5720, 15.4940, -69.7846
Hunter-Lab	68.3840, -30.5774, -3.6762

Details

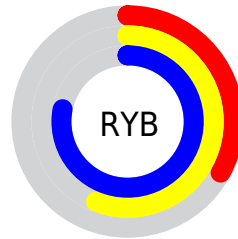
The Yxy color **46.7637, 0.2432, 0.3332** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **19.3428, 0.4811, 0.3258**, and the grayscale version is **37.3595, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.6316, 0.2549, 0.3311**, and **22.2038, 0.2264, 0.3349** is the 20% darker color. If you saturate the color by 10%, you get **45.9377, 0.2364, 0.3340**, and if you desaturate by 10%, it is **47.8552, 0.2518, 0.3324**.

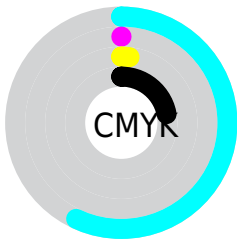
Distribution



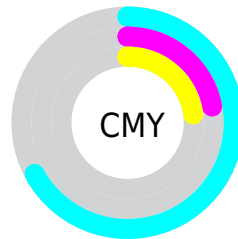
- Red (33%)
- Green (78%)
- Blue (77%)



- Red (33%)
- Yellow (56%)
- Blue (78%)



- Cyan (57%)
- Magenta (0%)
- Yellow (2%)
- Black (22%)




- Cyan (67%)
- Magenta (22%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.7637, 0.2432, 0.3332 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 46.7637, 0.2432, 0.3332 by changing the saturation by 10% instead.


 46.7637, 0.2432,
0.3332


 46.7637, 0.2432,
0.3332


373.8705, 0.2772,
0.3319

 32.8489, 0.2350,
0.3333


 85.3608, 0.2554,
0.3329


 22.0107, 0.2246,
0.3332


 110.8119, 0.2600,
0.3327

 13.8648, 0.2110,
0.3330


 140.8771, 0.2639,
0.3326

 8.0267, 0.1927,
0.3321

 175.9410, 0.2673,
0.3324

 4.1120, 0.1669,
0.3298

216.3879, 0.2703,
0.3323

 1.7364, 0.1267,
0.3241

262.6022, 0.2729,

 0.4471, 0.0000,

0.3321

0.2956

314.9683, 0.2752,
0.3320

0.0000, 0.0000,
0.0000

46.7637, 0.2432,
0.3332

46.7637, 0.2432,
0.3332

45.9377, 0.2364,
0.3340

47.8552, 0.2518,
0.3324

45.3492, 0.2316,
0.3349

49.2269, 0.2623,
0.3316

44.9737, 0.2286,
0.3358

50.8985, 0.2742,
0.3308

44.7745, 0.2272,
0.3366

52.8866, 0.2875,
0.3301

44.7334, 0.2269,
0.3368

55.2065, 0.3018,
0.3294

■ 57.8725, 0.3168,
0.3288

■ 60.8982, 0.3323,
0.3283

■ 64.2963, 0.3480,
0.3278

■ 66.3130, 0.3563,
0.3274

Harmonies

Analogous

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



46.7637, 0.2774, 0.3791



46.7637, 0.2432, 0.3332



46.7637, 0.2274, 0.2903

Triad

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



46.7637, 0.2432, 0.3332



46.7637, 0.2971, 0.2621



46.7637, 0.3986, 0.3908

Complementary

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



46.7637, 0.2432, 0.3332



19.3428, 0.4811, 0.3258

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.



46.7637, 0.4062, 0.3565



46.7637, 0.2432, 0.3332



46.7637, 0.3451, 0.2854

Square

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



46.7637, 0.2432, 0.3332



46.7637, 0.2566, 0.2535



46.7637, 0.3863, 0.3189



46.7637, 0.3673, 0.4121

Rectangle

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



46.7637, 0.2432, 0.3332



46.7637, 0.2284, 0.2698



46.7637, 0.3863, 0.3189



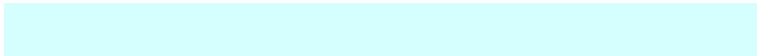
46.7637, 0.4041, 0.3803

Sweetspot

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



46.7655, 0.2432, 0.3332



92.6117, 0.2876, 0.3301



43.6184, 0.3063, 0.5107



19.6608, 0.2848, 0.3302



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.



46.7655, 0.2432, 0.3332



80.1093, 0.2349, 0.3343



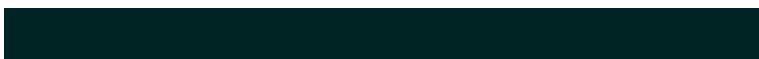
26.5503, 0.2235, 0.2442



12.0626, 0.2987, 0.3296



28.7652, 0.2269, 0.3367



1.3636, 0.2264, 0.3349

Inverse Universe

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



19.3428, 0.4811, 0.3258



27.4944, 0.5409, 0.3260



31.0322, 0.4392, 0.3973



10.6414, 0.3285, 0.3284



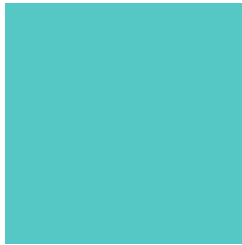
7.8171, 0.6368, 0.3282



0.3718, 0.6255, 0.3219

Previews

White Background



This preview shows how the Yxy color 46.7637, 0.2432, 0.3332 looks on a white background.

Color Contrast Check

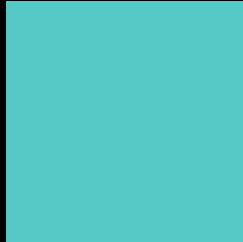
Large Text (above 18pt) WCAG AA × Fail

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 46.7637, 0.2432, 0.3332 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

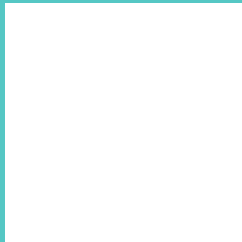
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.7637, 0.2432, 0.3332

Background



This preview shows how black text looks on a background with the Yxy color 46.7637, 0.2432, 0.3332.

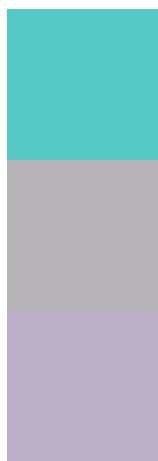


This preview shows how white text looks on a background with the Yxy color 46.7637, 0.2432, 0.3332.

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

46.7637, 0.2432, 0.3332

Protanopia

46.1705, 0.3121, 0.3238

Deuteranopia

46.0865, 0.3039, 0.2977



Tritanopia

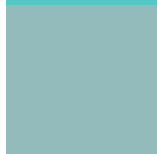
46.5086, 0.2372, 0.3062

Trichromacy



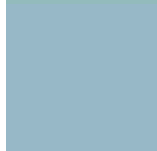
Original Color

46.7637, 0.2432, 0.3332



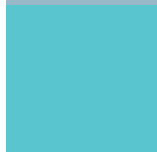
Protanomaly

45.3745, 0.2806, 0.3275



Deuteranomaly

44.9838, 0.2758, 0.3085



Tritanomaly

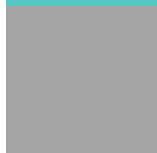
46.5126, 0.2392, 0.3159

Monochromacy



Original Color

46.7637, 0.2432, 0.3332



Achromatopsia

37.6262, 0.3127, 0.3290



Achromatomaly

39.8131, 0.2798, 0.3304

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.7637, 0.2432, 0.3332 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(85, 199, 196)` looks like.

```
.text, #text, p{  
    color:rgb(85, 199, 196)  
}
```

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(85, 199, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 199, 196) }
```

Border

The CSS property to change the border of an element to Yxy 46.7637, 0.2432, 0.3332 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(85, 199, 196) }
```

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

```
.border{ border-color:rgb(85, 199, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 199, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 199, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 199, 196);  
box-shadow:4px 4px 4px 4px rgb(85, 199,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 46.7637, 0.2432, 0.3332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 199, 196) }
```

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

```
.background{ background-color: rgb(85, 199,  
196) }
```

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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