

Converting Colors

$Y_{xy}(48.5759, 0.2456, 0.3384)$

Have a look what the booklet for
Yxy(48.5759, 0.2456, 0.3384)
contains.

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Color

Yxy(48.7721, 0.2456, 0.3389)

Conversions

Conversions Part 1

Format	Color
Hex	58CBC4
RGB	88, 203, 196
RGB Percent	35%, 80%, 77%
CMY	0.6550, 0.2039, 0.2312
CMYK	0.57, 0.00, 0.03, 0.20
HSL	176°, 53%, 57%
HSV	176°, 57%, 80%
XYZ	35.3450, 48.7721, 59.7958
YIQ	167.8170, -66.2930, -26.5570

Conversions

Conversions Part 2

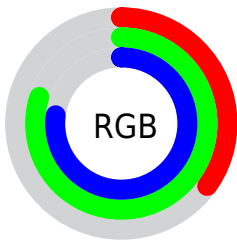
Format	Color
R _Y B	88, 147, 203
Decimal	5819332
CIE Lab	75.31, -34.02, -6.35
CIE LCh	75, 34.607, 190.577
Yxy	48.7721, 0.2456, 0.3389
Android (android.graphics.Color)	4284009412 (0xFF58CBC4)
YUV	167.8170, 13.8942, -69.9995
Hunter-Lab	69.8370, -31.8747, -1.8793

Details

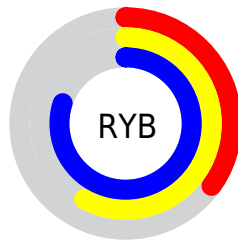
The Yxy color **48.7721, 0.2456, 0.3389** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **20.4971, 0.4726, 0.3210**, and the grayscale version is **39.0168, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.9077, 0.2562, 0.3311**, and **23.1328, 0.2281, 0.3410** is the 20% darker color. If you saturate the color by 10%, you get **47.8620, 0.2389, 0.3409**, and if you desaturate by 10%, it is **49.9621, 0.2541, 0.3369**.

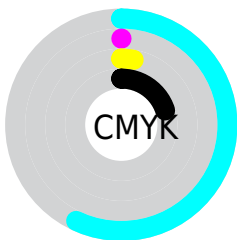
Distribution



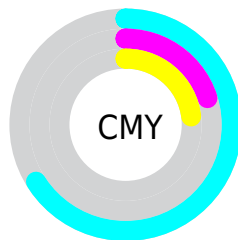
- Red (35%)
- Green (80%)
- Blue (77%)



- Red (35%)
- Yellow (58%)
- Blue (80%)



- Cyan (57%)
- Magenta (0%)
- Yellow (3%)
- Black (20%)




- Cyan (66%)
- Magenta (20%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.7721, 0.2456, 0.3389 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 48.7721, 0.2456, 0.3389 by changing the saturation by 10% instead.


 48.7721, 0.2456,
0.3389


 48.7721, 0.2456,
0.3389


381.8444, 0.2783,
0.3346

 34.4387, 0.2377,
0.3397


 88.3529, 0.2573,
0.3375


 23.2308, 0.2278,
0.3407


 114.3691, 0.2617,
0.3369

 14.7641, 0.2149,
0.3418

 145.0483, 0.2655,
0.3364

 8.6540, 0.1975,
0.3429

 180.7751, 0.2688,
0.3360

 4.5162, 0.1729,
0.3436

221.9336, 0.2716,
0.3356

 1.9663, 0.1361,
0.3428

268.9085, 0.2741,

 0.5878, 0.0000,

0.3353

322.0839, 0.2763,
0.3349

0.3505

0.0000, 0.0000,
0.0000

48.7721, 0.2456,
0.3389

48.7721, 0.2456,
0.3389

47.8620, 0.2389,
0.3409

49.9621, 0.2541,
0.3369

47.2027, 0.2342,
0.3429

51.4473, 0.2644,
0.3350

46.7686, 0.2313,
0.3450

53.2484, 0.2761,
0.3332

46.5239, 0.2301,
0.3470

55.3826, 0.2891,
0.3315

46.4622, 0.2299,
0.3476

57.8660, 0.3030,
0.3300

■ 60.7136, 0.3176,
0.3285

■ 63.9394, 0.3326,
0.3273

■ 67.5569, 0.3478,
0.3261

■ 68.4835, 0.3505,
0.3249

Harmonies

Analogous

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



48.7721, 0.2819, 0.3846



48.7721, 0.2456, 0.3389



48.7721, 0.2273, 0.2943

Triad

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



48.7721, 0.2456, 0.3389



48.7721, 0.2914, 0.2595



48.7721, 0.4019, 0.3878

Complementary

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



48.7721, 0.2456, 0.3389



20.4971, 0.4726, 0.3210

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.



48.7721, 0.4064, 0.3522



48.7721, 0.2456, 0.3389



48.7721, 0.3398, 0.2815

Square

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



48.7721, 0.2456, 0.3389



48.7721, 0.2521, 0.2528



48.7721, 0.3832, 0.3144



48.7721, 0.3725, 0.4116

Rectangle

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



48.7721, 0.2456, 0.3389



48.7721, 0.2266, 0.2722



48.7721, 0.3832, 0.3144



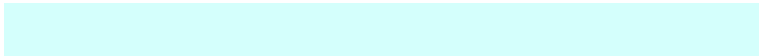
48.7721, 0.4065, 0.3767

Sweetspot

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



48.7740, 0.2456, 0.3389



92.5171, 0.2883, 0.3316



45.8850, 0.3087, 0.5076



19.6382, 0.2856, 0.3320



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.



48.7740, 0.2456, 0.3389



79.8578, 0.2377, 0.3414



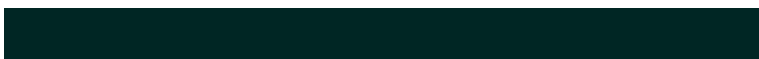
29.2191, 0.2256, 0.2515



12.7149, 0.2991, 0.3304



29.5721, 0.2298, 0.3473



1.5292, 0.2287, 0.3434

Inverse Universe

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



20.4971, 0.4726, 0.3210



28.0090, 0.5288, 0.3209



31.5262, 0.4408, 0.3920



11.2245, 0.3281, 0.3276



8.1020, 0.6328, 0.3260



0.4219, 0.6093, 0.3130

Previews

White Background



This preview shows how the Yxy color 48.7721, 0.2456, 0.3389 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 48.7721, 0.2456, 0.3389 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

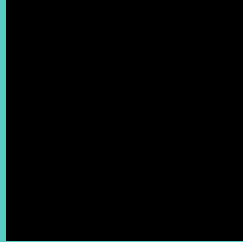
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

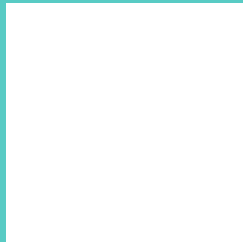
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.7721, 0.2456, 0.3389

Background



This preview shows how black text looks on a background with the Yxy color 48.7721, 0.2456, 0.3389.

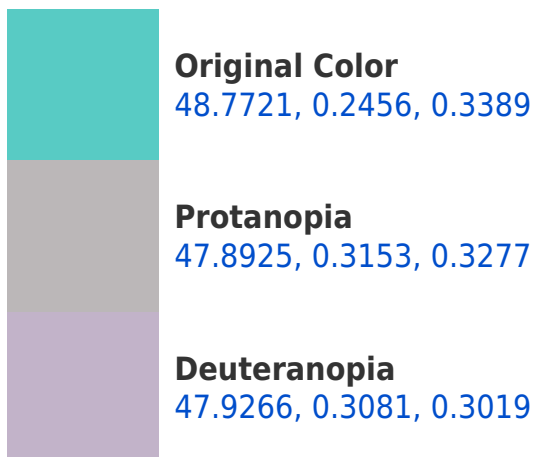


This preview shows how white text looks on a background with the Yxy color 48.7721, 0.2456, 0.3389.

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





Tritanopia

48.7532, 0.2382, 0.3066

Trichromacy



Original Color

48.7721, 0.2456, 0.3389



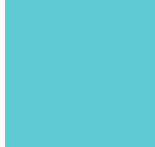
Protanomaly

47.0371, 0.2838, 0.3317



Deuteranomaly

47.0585, 0.2791, 0.3142



Tritanomaly

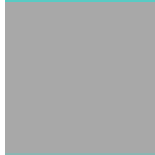
48.7039, 0.2406, 0.3175

Monochromacy



Original Color

48.7721, 0.2456, 0.3389



Achromatopsia

39.1572, 0.3127, 0.3290



Achromatomaly

41.7511, 0.2810, 0.3333

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.7721, 0.2456, 0.3389 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(88, 203, 196)` looks like.

```
.text, #text, p{  
    color:rgb(88, 203, 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(88, 203, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 203, 196) }
```

Border

The CSS property to change the border of an element to Yxy 48.7721, 0.2456, 0.3389 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(88, 203, 196) }
```

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

```
.border{ border-color:rgb(88, 203, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 203, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 203, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 203, 196);  
box-shadow:4px 4px 4px 4px rgb(88, 203,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 48.7721, 0.2456, 0.3389 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 203, 196) }
```

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

```
.background{ background-color: rgb(88, 203,  
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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