

Converting Colors

$Y_{xy}(55.8750, 0.2515, 0.3385)$

Have a look what the booklet for
Yxy(55.8750, 0.2515, 0.3385)
contains.

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Color

Yxy(55.7863, 0.2516, 0.3383)

Conversions

Conversions Part 1

Format	Color
Hex	6CD6CF
RGB	108, 214, 207
RGB Percent	42%, 84%, 81%
CMY	0.5767, 0.1607, 0.1881
CMYK	0.50, 0.00, 0.03, 0.16
HSL	176°, 56%, 63%
HSV	176°, 50%, 84%
XYZ	41.4893, 55.7863, 67.6263
YIQ	181.5080, -60.9290, -24.6490

Conversions

Conversions Part 2

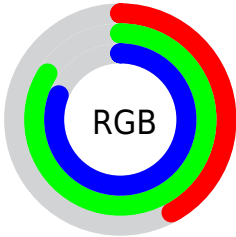
Format	Color
RYB	108, 163, 214
Decimal	7132879
CIELab	79.49, -32.32, -6.00
CIELCh	79, 32.868, 190.516
Yxy	55.7863, 0.2516, 0.3383
Android (android.graphics.Color)	4285322959 (0xFF6CD6CF)
YUV	181.5080, 12.5676, -64.4665
Hunter-Lab	74.6902, -31.5538, -1.3994

Details

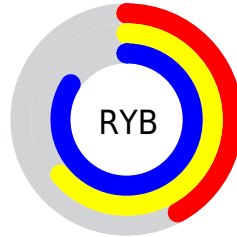
The Yxy color **55.7863, 0.2516, 0.3383** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **26.2453, 0.4424, 0.3209**, and the grayscale version is **46.4465, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.8470, 0.2633, 0.3289**, and **27.6317, 0.2361, 0.3400** is the 20% darker color. If you saturate the color by 10%, you get **54.5396, 0.2437, 0.3405**, and if you desaturate by 10%, it is **57.3672, 0.2613, 0.3362**.

Distribution



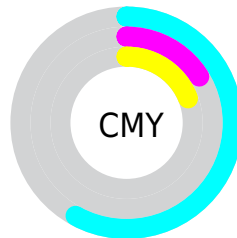
- Red (42%)
- Green (84%)
- Blue (81%)



- Red (42%)
- Yellow (64%)
- Blue (84%)



- Cyan (50%)
- Magenta (0%)
- Yellow (3%)
- Black (16%)




- Cyan (58%)
- Magenta (16%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.7863, 0.2516, 0.3383 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 55.7863, 0.2516, 0.3383 by changing the saturation by 10% instead.


 55.7863, 0.2516,
0.3383


 55.7863, 0.2516,
0.3383


408.8857, 0.2808,
0.3343


 40.0316, 0.2447,
0.3391

 98.6921, 0.2619,
0.3370

 27.5632, 0.2361,
0.3400


 126.6119, 0.2658,
0.3365

 17.9966, 0.2251,
0.3411


 159.3556, 0.2692,
0.3360

 10.9476, 0.2105,
0.3423

197.3076, 0.2722,
0.3356

 6.0316, 0.1902,
0.3434

240.8521, 0.2747,
0.3352

 2.8643, 0.1604,
0.3439

290.3738, 0.2770,

 1.0613, 0.0707,

0.3349

0.3576

346.2568, 0.2790,
0.3346

0.0000, 0.0000,
0.0000

55.7863, 0.2516,
0.3383

55.7863, 0.2516,
0.3383

54.5396, 0.2437,
0.3405

57.3672, 0.2613,
0.3362

53.5960, 0.2376,
0.3427

59.2978, 0.2726,
0.3342

52.9298, 0.2335,
0.3449


61.6004, 0.2853,
0.3323


52.5077, 0.2312,
0.3471


64.2937, 0.2989,
0.3305


52.2732, 0.2304,
0.3493


67.3951, 0.3134,
0.3289

 52.2643, 0.2304,
0.3494

 70.9208, 0.3282,
0.3275

 74.3623, 0.3412,
0.3262

 74.4359, 0.3402,
0.3247

 74.5102, 0.3392,
0.3233

Harmonies

Analogous

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



55.7863, 0.2850, 0.3792



55.7863, 0.2516, 0.3383



55.7863, 0.2346, 0.2978

Triad

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



55.7863, 0.2516, 0.3383



55.7863, 0.2934, 0.2653



55.7863, 0.3939, 0.3830

Complementary

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



55.7863, 0.2516, 0.3383



26.2453, 0.4424, 0.3209

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.



55.7863, 0.3977, 0.3506



55.7863, 0.2516, 0.3383



55.7863, 0.3374, 0.2855

Square

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



55.7863, 0.2516, 0.3383



55.7863, 0.2574, 0.2593



55.7863, 0.3766, 0.3158



55.7863, 0.3675, 0.4041

Rectangle

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



55.7863, 0.2516, 0.3383



55.7863, 0.2339, 0.2775



55.7863, 0.3766, 0.3158



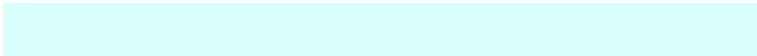
55.7863, 0.3980, 0.3730

Sweetspot

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



55.7885, 0.2516, 0.3383



93.2922, 0.2912, 0.3315



52.8249, 0.3097, 0.4836



19.7904, 0.2883, 0.3319



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.



55.7885, 0.2516, 0.3383



81.0941, 0.2436, 0.3405



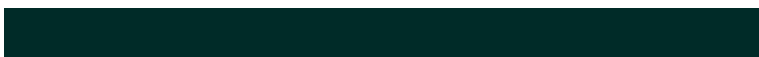
36.0614, 0.2355, 0.2627



14.0931, 0.2991, 0.3305



31.5931, 0.2303, 0.3491



1.9099, 0.2292, 0.3453

Inverse Universe

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



26.2453, 0.4424, 0.3209



32.4971, 0.4856, 0.3201



38.4577, 0.4205, 0.3853



12.4339, 0.3281, 0.3275



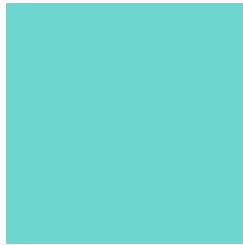
8.6658, 0.6325, 0.3258



0.5274, 0.6097, 0.3133

Previews

White Background



This preview shows how the Yxy color 55.7863, 0.2516, 0.3383 looks on a white background.

Color Contrast Check

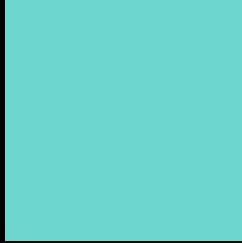
Large Text (above 18pt) WCAG AA × Fail

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 55.7863, 0.2516, 0.3383 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

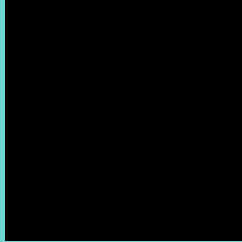
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

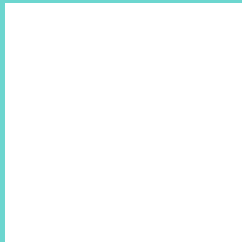
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 55.7863, 0.2516, 0.3383

Background



This preview shows how black text looks on a background with the Yxy color 55.7863, 0.2516, 0.3383.

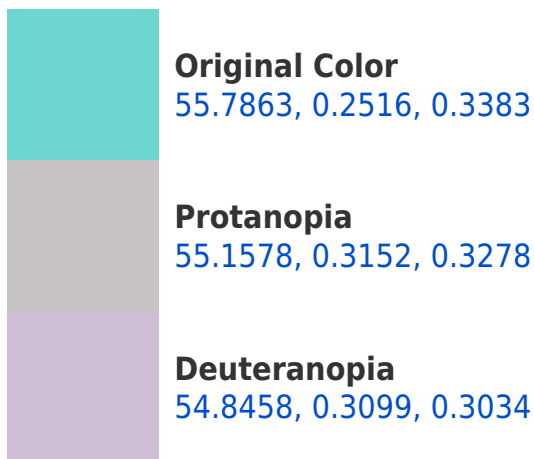


This preview shows how white text looks on a background with the Yxy color 55.7863, 0.2516, 0.3383.

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

55.8348, 0.2437, 0.3067

Trichromacy



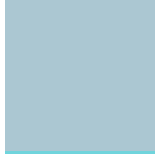
Original Color

55.7863, 0.2516, 0.3383



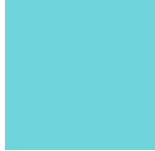
Protanomaly

54.5182, 0.2874, 0.3315



Deuteranomaly

54.1579, 0.2842, 0.3151



Tritanomaly

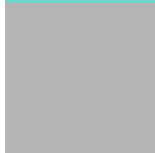
55.6990, 0.2465, 0.3182

Monochromacy



Original Color

55.7863, 0.2516, 0.3383



Achromatopsia

46.2077, 0.3127, 0.3290



Achromatomaly

48.7277, 0.2849, 0.3330

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.7863, 0.2516, 0.3383 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(108, 214, 207)` looks like.

```
.text, #text, p{  
    color:rgb(108, 214, 207)  
}
```

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(108, 214, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 214, 207) }
```

Border

The CSS property to change the border of an element to Yxy 55.7863, 0.2516, 0.3383 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(108, 214, 207) }
```

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

```
.border{ border-color:rgb(108, 214, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 214, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 214, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 214, 207);  
box-shadow:4px 4px 4px 4px rgb(108, 214,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 55.7863, 0.2516, 0.3383 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 214, 207) }
```

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

```
.background{ background-color: rgb(108,  
214, 207) }
```

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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