

# Converting Colors

$Yxy(56.7844, 0.2563, 0.3359)$

Have a look what the booklet for  
Yxy(56.7844, 0.2563, 0.3359)  
contains.

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# Color

**Yxy(56.6897, 0.2563, 0.3355)**

# Conversions

## Conversions Part 1

Format	Color
Hex	78D6D1
RGB	120, 214, 209
RGB Percent	47%, 84%, 82%
CMY	0.5291, 0.1608, 0.1804
CMYK	0.44, 0.00, 0.02, 0.16
HSL	177°, 53%, 66%
HSV	177°, 44%, 84%
XYZ	43.3072, 56.6897, 68.9739
YIQ	185.3240, -54.4190, -21.4830

# Conversions

## Conversions Part 2

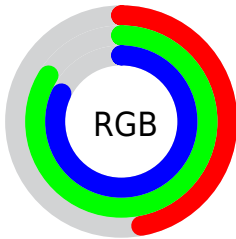
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	120, 168, 214
Decimal	7919313
CIE <sub>Lab</sub>	80.00, -29.06, -6.24
CIE <sub>LCh</sub>	80, 29.727, 192.119
Yxy	56.6897, 0.2563, 0.3355
Android (android.graphics.Color)	4286109393 (0xFF78D6D1)
YUV	185.3240, 11.6723, -57.2891
Hunter-Lab	75.2926, -29.0913, -1.6095

# Details

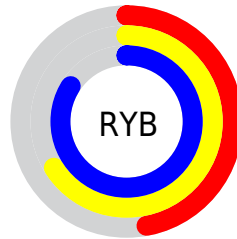
The Yxy color **56.6897, 0.2563, 0.3355** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **29.2293, 0.4219, 0.3231**, and the grayscale version is **48.6722, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.0871, 0.2686, 0.3289**, and **28.1870, 0.2421, 0.3361** is the 20% darker color. If you saturate the color by 10%, you get **55.2716, 0.2472, 0.3372**, and if you desaturate by 10%, it is **58.4546, 0.2671, 0.3339**.

# Distribution



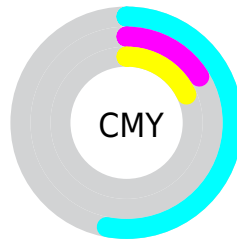
- Red (47%)
- Green (84%)
- Blue (82%)



- Red (47%)
- Yellow (66%)
- Blue (84%)



- Cyan (44%)
- Magenta (0%)
- Yellow (2%)
- Black (16%)




- Cyan (53%)
- Magenta (16%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 56.6897, 0.2563, 0.3355 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 56.6897, 0.2563, 0.3355 by changing the saturation by 10% instead.



 56.6897, 0.2563,  
0.3355


 56.6897, 0.2563,  
0.3355


412.2856, 0.2832,  
0.3328


 40.7562, 0.2500,  
0.3360

 100.0123, 0.2658,  
0.3347

 28.1286, 0.2421,  
0.3366


 128.1701, 0.2694,  
0.3343

 18.4226, 0.2319,  
0.3372


 161.1715, 0.2725,  
0.3340

 11.2538, 0.2185,  
0.3378

199.4008, 0.2752,  
0.3337

 6.2378, 0.1998,  
0.3381

243.2425, 0.2776,  
0.3335

 2.9902, 0.1723,  
0.3377

293.0809, 0.2797,

 1.1266, 0.1045,

0.3332

0.3431

349.3005, 0.2815,  
0.3330

0.0005, 0.0000,  
0.0012

0.0000, 0.0000,  
0.0000

56.6897, 0.2563,  
0.3355

56.6897, 0.2563,  
0.3355

55.2716, 0.2472,  
0.3372

58.4546, 0.2671,  
0.3339

54.1706, 0.2400,  
0.3390

60.5805, 0.2793,  
0.3323

53.3630, 0.2347,  
0.3408

63.0890, 0.2927,  
0.3308


52.8190, 0.2313,  
0.3425

65.9978, 0.3070,  
0.3295


 52.5022, 0.2297,  
0.3443


 69.3237, 0.3219,  
0.3283

 52.3828, 0.2293,  
0.3453

 73.0826, 0.3371,  
0.3272

 74.3588, 0.3412,  
0.3261

 74.4183, 0.3404,  
0.3249

 74.4783, 0.3395,  
0.3238

# Harmonies

## Analogous

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



56.6897, 0.2860, 0.3722



56.6897, 0.2563, 0.3355



56.6897, 0.2416, 0.2996

# Triad

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



56.6897, 0.2563, 0.3355



56.6897, 0.2975, 0.2718



56.6897, 0.3851, 0.3795

# Complementary

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



56.6897, 0.2563, 0.3355



29.2293, 0.4219, 0.3231

# 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.



56.6897, 0.3895, 0.3507



56.6897, 0.2563, 0.3355



56.6897, 0.3371, 0.2909

# Square

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



56.6897, 0.2563, 0.3355



56.6897, 0.2642, 0.2657



56.6897, 0.3716, 0.3189



56.6897, 0.3606, 0.3971



# Rectangle

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



56.6897, 0.2563, 0.3355



56.6897, 0.2415, 0.2815



56.6897, 0.3716, 0.3189



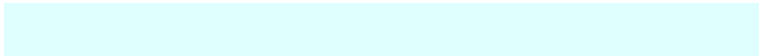
56.6897, 0.3890, 0.3707

# Sweetspot

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



56.6919, 0.2563, 0.3355



94.1327, 0.2937, 0.3307



53.9097, 0.3104, 0.4635



19.9573, 0.2906, 0.3310



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.



56.6919, 0.2563, 0.3355



82.2671, 0.2475, 0.3372



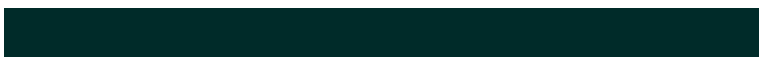
38.8543, 0.2440, 0.2717



14.0959, 0.2990, 0.3302



31.6688, 0.2292, 0.3451



1.9137, 0.2284, 0.3420



# Inverse Universe

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



29.2293, 0.4219, 0.3231



36.1905, 0.4610, 0.3222



41.0641, 0.4047, 0.3792



12.4314, 0.3283, 0.3278



8.6610, 0.6339, 0.3266

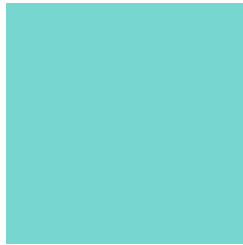


0.5263, 0.6152, 0.3163



# Previews

## White Background



This preview shows how the Yxy color 56.6897, 0.2563, 0.3355 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

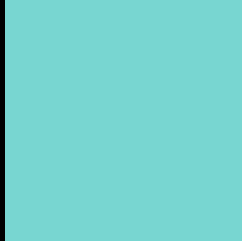
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 56.6897, 0.2563, 0.3355 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

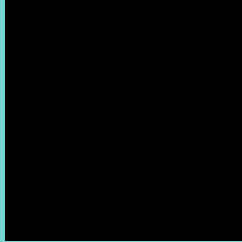
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

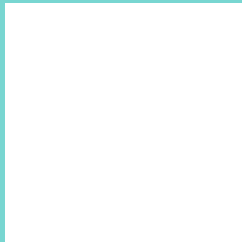
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 56.6897, 0.2563, 0.3355**

## **Background**



This preview shows how black text looks on a background with the Yxy color 56.6897, 0.2563, 0.3355.

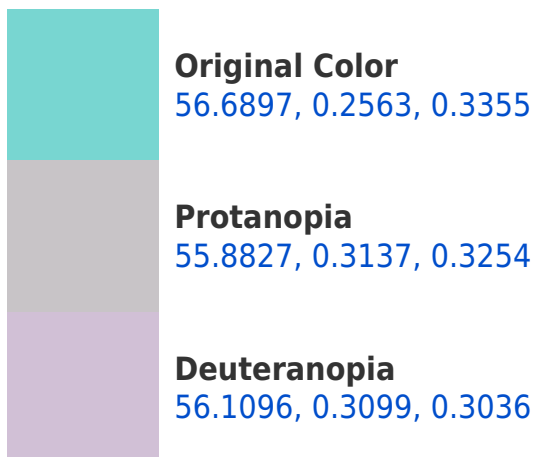


This preview shows how white text looks on a background with the Yxy color 56.6897, 0.2563, 0.3355.

# 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

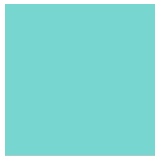




## Tritanopia

56.6256, 0.2489, 0.3070

# Trichromacy



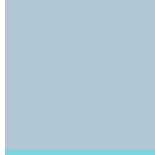
## Original Color

56.6897, 0.2563, 0.3355



## Protanomaly

55.6816, 0.2890, 0.3289



## Deuteranomaly

55.4091, 0.2873, 0.3141



## Tritanomaly

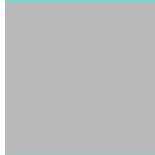
56.5925, 0.2516, 0.3171

# Monochromacy



## Original Color

56.6897, 0.2563, 0.3355



## Achromatopsia

48.5150, 0.3127, 0.3290



## Achromatomaly

50.9520, 0.2875, 0.3316

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  56.6897, 0.2563, 0.3355 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(120, 214, 209)` looks like.

```
.text, #text, p{  
    color:rgb(120, 214, 209)  
}
```

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(120, 214, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 214, 209) }
```

## Border

The CSS property to change the border of an element to Yxy 56.6897, 0.2563, 0.3355 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(120, 214, 209) }
```

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

```
.border{ border-color:rgb(120, 214, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 214, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 214, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 214, 209);  
box-shadow:4px 4px 4px 4px rgb(120, 214,  
209) }
```



# Background

The CSS property to change the background color of an element to Yxy 56.6897, 0.2563, 0.3355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 214, 209) }
```

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

```
.background{ background-color: rgb(120,  
214, 209) }
```

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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