

# Converting Colors

Yxy(56.8180, 0.2762, 0.3662)

Have a look what the booklet for  
Yxy(56.8180, 0.2762, 0.3662)  
contains.

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# Color

**Yxy(56.7493, 0.2759, 0.3654)**

# Conversions

## Conversions Part 1

Format	Color
Hex	86D6BB
RGB	134, 214, 187
RGB Percent	53%, 84%, 73%
CMY	0.4744, 0.1608, 0.2667
CMYK	0.37, 0.00, 0.13, 0.16
HSL	160°, 49%, 68%
HSV	160°, 37%, 84%
XYZ	42.8493, 56.7493, 55.7087
YIQ	187.0020, -39.0130, -25.3570

# Conversions

## Conversions Part 2

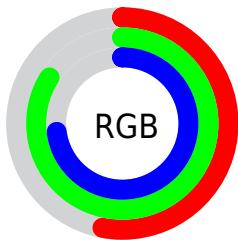
Format	Color
<b>RYB</b>	134, 182, 214
Decimal	8836795
CIELab	80.04, -30.57, 5.62
CIELCh	80, 31.083, 169.581
Yxy	56.7493, 0.2759, 0.3654
Android (android.graphics.Color)	4287026875 (0xFF86D6BB)
YUV	187.0020, -0.0010, -46.4828
Hunter-Lab	75.3321, -30.2995, 8.8870

# Details

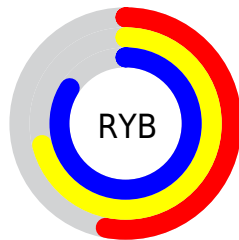
The Yxy color **56.7493, 0.2759, 0.3654** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **33.9249, 0.3724, 0.2959**, and the grayscale version is **49.7147, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.9382, 0.2812, 0.3418**, and **28.2230, 0.2662, 0.3754** is the 20% darker color. If you saturate the color by 10%, you get **54.8655, 0.2682, 0.3771**, and if you desaturate by 10%, it is **59.0090, 0.2848, 0.3545**.

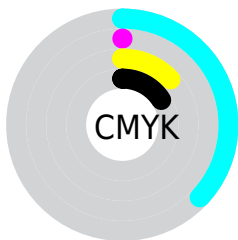
# Distribution



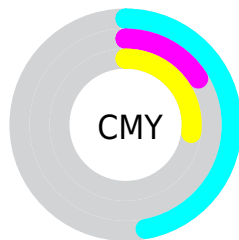
- Red (53%)
- Green (84%)
- Blue (73%)



- Red (53%)
- Yellow (71%)
- Blue (84%)



- Cyan (37%)
- Magenta (0%)
- Yellow (13%)
- Black (16%)



- Cyan (47%)
- Magenta (16%)
- Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 56.7493, 0.2759, 0.3654 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 56.7493, 0.2759, 0.3654 by changing the saturation by 10% instead.





 56.7493, 0.2759,  
0.3654

 56.7493, 0.2759,  
0.3654


412.5092, 0.2939,  
0.3474


 40.8040, 0.2716,  
0.3698


 100.0993, 0.2823,  
0.3589

 28.1660, 0.2660,  
0.3755


 128.2728, 0.2848,  
0.3565

 18.4508, 0.2588,  
0.3829


 161.2911, 0.2868,  
0.3544

 11.2741, 0.2491,  
0.3932


199.5387, 0.2886,  
0.3526

 6.2515, 0.2350,  
0.4083

243.3999, 0.2902,  
0.3510

 2.9986, 0.2130,  
0.4326

293.2591, 0.2916,

 1.1310, 0.1373,

0.3497

0.5009

349.5008, 0.2928,  
0.3485

0.0042, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

56.7493, 0.2759,  
0.3654

56.7493, 0.2759,  
0.3654

54.8655, 0.2682,  
0.3771

59.0090, 0.2848,  
0.3545

53.3290, 0.2621,  
0.3895


61.6578, 0.2945,  
0.3444


52.1179, 0.2577,  
0.4023


64.7166, 0.3049,  
0.3352


51.2048, 0.2552,  
0.4153


68.2025, 0.3155,  
0.3269

 50.5578, 0.2548,  
0.4283

 72.1321, 0.3263,  
0.3195

 50.1334, 0.2563,  
0.4411

 75.0866, 0.3316,  
0.3127

 50.0399, 0.2568,  
0.4445

 75.5018, 0.3265,  
0.3056

 75.9340, 0.3215,  
0.2987

 76.3834, 0.3166,  
0.2918

# Harmonies

## Analogous

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



56.7493, 0.3143, 0.3946



56.7493, 0.2759, 0.3654



56.7493, 0.2484, 0.3257

# Triad

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



56.7493, 0.2759, 0.3654



56.7493, 0.2696, 0.2632



56.7493, 0.3941, 0.3595

# Complementary

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



56.7493, 0.2759, 0.3654



33.9249, 0.3724, 0.2959

# 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.



56.7493, 0.3810, 0.3265



56.7493, 0.2759, 0.3654



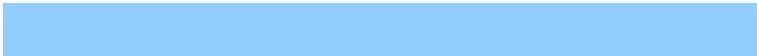
56.7493, 0.3068, 0.2732

# Square

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



56.7493, 0.2759, 0.3654



56.7493, 0.2451, 0.2686



56.7493, 0.3482, 0.2958



56.7493, 0.3836, 0.3876



# Rectangle

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



56.7493, 0.2759, 0.3654



56.7493, 0.2392, 0.3009



56.7493, 0.3482, 0.2958



56.7493, 0.3923, 0.3486

# Sweetspot

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



56.7516, 0.2759, 0.3654



94.4678, 0.3009, 0.3385



57.4983, 0.3274, 0.4352



20.0856, 0.2995, 0.3398



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

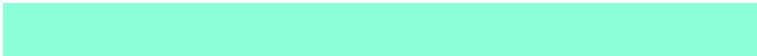


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



56.7516, 0.2759, 0.3654



82.0887, 0.2696, 0.3748



52.1677, 0.2585, 0.3130



14.0333, 0.3027, 0.3370



30.2654, 0.2563, 0.4426



1.8406, 0.2501, 0.4205



# Inverse Universe

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



33.9249, 0.3724, 0.2959



43.3434, 0.3918, 0.2889



36.5802, 0.3981, 0.3442



12.4893, 0.3239, 0.3212



8.9433, 0.5610, 0.2864



0.5546, 0.5122, 0.2595



# Previews

## White Background



This preview shows how the Yxy color 56.7493, 0.2759, 0.3654 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

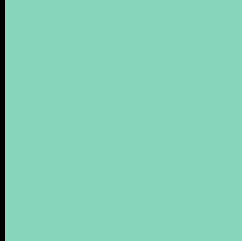
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 56.7493, 0.2759, 0.3654 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

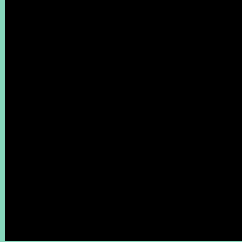
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

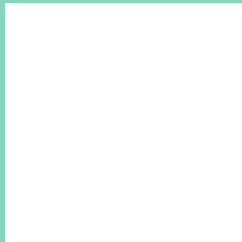
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 56.7493, 0.2759, 0.3654**

## Background



This preview shows how black text looks on a background with the Yxy color 56.7493, 0.2759, 0.3654.

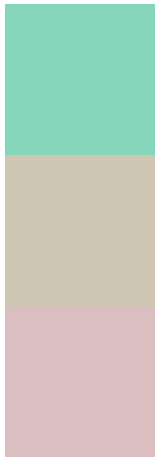


This preview shows how white text looks on a background with the Yxy color 56.7493, 0.2759, 0.3654.

# 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

56.7493, 0.2759, 0.3654

### Protanopia

56.2687, 0.3343, 0.3519

### Deuteranopia

56.1274, 0.3351, 0.3279



## Tritanopia

56.8768, 0.2589, 0.3086

# Trichromacy



## Original Color

56.7493, 0.2759, 0.3654



## Protanomaly

55.7514, 0.3106, 0.3569



## Deuteranomaly

55.2559, 0.3106, 0.3402



## Tritanomaly

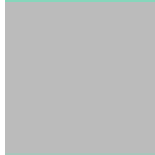
56.8671, 0.2652, 0.3289

# Monochromacy



## Original Color

56.7493, 0.2759, 0.3654



## Achromatopsia

49.6933, 0.3127, 0.3290



## Achromatomaly

51.8452, 0.2974, 0.3420

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 56.7493, 0.2759, 0.3654 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(134, 214, 187)` looks like.

```
.text, #text, p{  
    color:rgb(134, 214, 187)  
}
```

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(134, 214, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 214, 187) }
```

## Border

The CSS property to change the border of an element to Yxy 56.7493, 0.2759, 0.3654 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(134, 214, 187) }
```

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

```
.border{ border-color:rgb(134, 214, 187) }
```

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

Here you see how a box with a 4 pixel rgb(134, 214, 187) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 214, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 214, 187);  
box-shadow:4px 4px 4px 4px rgb(134, 214,  
187) }
```



# Background

The CSS property to change the background color of an element to Yxy 56.7493, 0.2759, 0.3654 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 214, 187) }
```

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

```
.background{ background-color: rgb(134,  
214, 187) }
```

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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