

# Converting Colors

$Y_{xy}(58.2652, 0.2529, 0.3632)$

Have a look what the booklet for  
Yxy(58.2652, 0.2529, 0.3632)  
contains.

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# Color

**Yxy(58.0781, 0.2530, 0.3634)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5EDDC4
RGB	94, 221, 196
RGB Percent	37%, 87%, 77%
CMY	0.6315, 0.1333, 0.2313
CMYK	0.57, 0.00, 0.11, 0.13
HSL	168°, 65%, 62%
HSV	168°, 57%, 87%
XYZ	40.4341, 58.0781, 61.3064
YIQ	180.1770, -67.6670, -34.6990

# Conversions

## Conversions Part 2

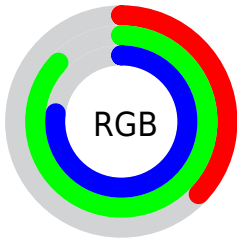
<b>Format</b>	<b>Color</b>
<b>RYB</b>	94, 164, 221
Decimal	6217156
CIELab	80.78, -41.12, 1.72
CIELCh	81, 41.155, 177.611
Yxy	58.0781, 0.2530, 0.3634
Android (android.graphics.Color)	4284407236 (0xFF5EDDC4)
YUV	180.1770, 7.8007, -75.5772
Hunter-Lab	76.2090, -38.6592, 5.6504

# Details

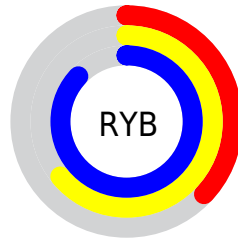
The Yxy color **58.0781, 0.2530, 0.3634** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **24.7045, 0.4524, 0.3009**, and the grayscale version is **45.7234, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.5804, 0.2592, 0.3311**, and **28.9213, 0.2378, 0.3728** is the 20% darker color. If you saturate the color by 10%, you get **56.8797, 0.2475, 0.3705**, and if you desaturate by 10%, it is **59.6211, 0.2603, 0.3565**.

# Distribution



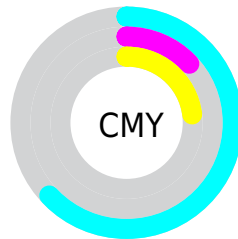
- Red (37%)
- Green (87%)
- Blue (77%)



- Red (37%)
- Yellow (64%)
- Blue (87%)



- Cyan (57%)
- Magenta (0%)
- Yellow (11%)
- Black (13%)




- Cyan (63%)
- Magenta (13%)
- Yellow (23%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.0781, 0.2530, 0.3634 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 58.0781, 0.2530, 0.3634 by changing the saturation by 10% instead.




 58.0781, 0.2530,  
0.3634

 58.0781, 0.2530,  
0.3634


417.4769, 0.2816,  
0.3468

 41.8714, 0.2462,  
0.3674

 102.0366, 0.2631,  
0.3575


 29.0006, 0.2377,  
0.3724


 130.5572, 0.2670,  
0.3552

 19.0813, 0.2268,  
0.3789


 163.9512, 0.2703,  
0.3533

 11.7290, 0.2122,  
0.3876


 202.6031, 0.2732,  
0.3516

 6.5595, 0.1918,  
0.3999

246.8972, 0.2757,  
0.3502

 3.1882, 0.1616,  
0.4186

297.2180, 0.2779,

 1.2307, 0.0511,

0.3489

0.4812

353.9497, 0.2799,  
0.3478

■ 0.0866, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 58.0781, 0.2530,  
0.3634

■ 58.0781, 0.2530,  
0.3634

■ 56.8797, 0.2475,  
0.3705

■ 59.6211, 0.2603,  
0.3565

■ 55.9898, 0.2440,  
0.3777


■ 61.5279, 0.2693,  
0.3499

■ 55.3759, 0.2424,  
0.3849

■ 63.8243, 0.2796,  
0.3437


■ 54.9913, 0.2426,  
0.3920

■ 66.5316, 0.2910,  
0.3379


 54.9113, 0.2427,  
0.3938

 69.6699, 0.3032,  
0.3326

 73.2576, 0.3159,  
0.3278

 77.3123, 0.3289,  
0.3235

 78.7348, 0.3305,  
0.3193

 78.9833, 0.3275,  
0.3150

# Harmonies

## Analogous

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



58.0781, 0.2996, 0.4092



58.0781, 0.2530, 0.3634



58.0781, 0.2237, 0.3097

# Triad

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



58.0781, 0.2530, 0.3634



58.0781, 0.2679, 0.2465



58.0781, 0.4186, 0.3774

# Complementary

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



58.0781, 0.2530, 0.3634



24.7045, 0.4524, 0.3009

# 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.



58.0781, 0.4103, 0.3357



58.0781, 0.2530, 0.3634



58.0781, 0.3190, 0.2640

# Square

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



58.0781, 0.2530, 0.3634



58.0781, 0.2320, 0.2471



58.0781, 0.3725, 0.2956



58.0781, 0.3963, 0.4118

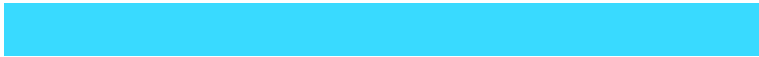


# Rectangle

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



58.0781, 0.2530, 0.3634



58.0781, 0.2165, 0.2800



58.0781, 0.3725, 0.2956



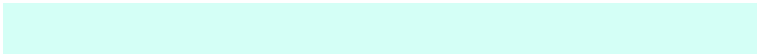
58.0781, 0.4195, 0.3638

# Sweetspot

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



58.0804, 0.2530, 0.3634



92.1477, 0.2915, 0.3378



56.4728, 0.3184, 0.5059



19.5501, 0.2891, 0.3389



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.



58.0804, 0.2530, 0.3634



78.3715, 0.2466, 0.3720



41.4229, 0.2296, 0.2751



14.7833, 0.3008, 0.3336



31.9129, 0.2424, 0.3927



2.0789, 0.2392, 0.3811



# Inverse Universe

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



24.7045, 0.4524, 0.3009



28.0667, 0.5012, 0.2989



32.7053, 0.4578, 0.3734



13.0932, 0.3261, 0.3244



9.0461, 0.6073, 0.3119

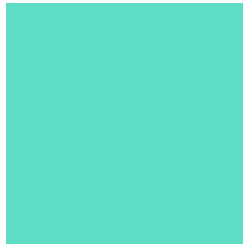


0.5983, 0.5625, 0.2872



# Previews

## White Background



This preview shows how the Yxy color 58.0781, 0.2530, 0.3634 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

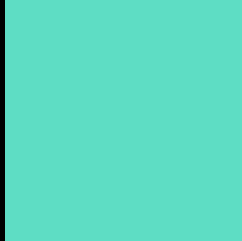
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 58.0781, 0.2530, 0.3634 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

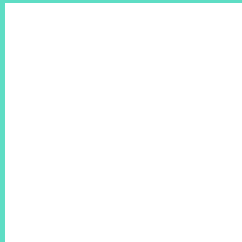
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 58.0781, 0.2530, 0.3634**

## Background



This preview shows how black text looks on a background with the Yxy color 58.0781, 0.2530, 0.3634.



This preview shows how white text looks on a background with the Yxy color 58.0781, 0.2530, 0.3634.

# 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

58.0781, 0.2530, 0.3634

### Protanopia

56.9707, 0.3296, 0.3458

### Deuteranopia

57.1559, 0.3253, 0.3187



## Tritanopia

58.1207, 0.2394, 0.3069

# Trichromacy



## Original Color

58.0781, 0.2530, 0.3634



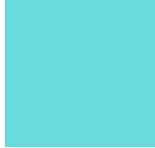
## Protanomaly

55.7728, 0.2948, 0.3523



## Deuteranomaly

55.6527, 0.2917, 0.3327



## Tritanomaly

58.1349, 0.2439, 0.3262

# Monochromacy



## Original Color

58.0781, 0.2530, 0.3634



## Achromatopsia

45.6411, 0.3127, 0.3290



## Achromatomaly

48.9649, 0.2841, 0.3412

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.0781, 0.2530, 0.3634 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(94, 221, 196)` looks like.

```
.text, #text, p{  
    color:rgb(94, 221, 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(94, 221, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 221, 196) }
```

## Border

The CSS property to change the border of an element to Yxy 58.0781, 0.2530, 0.3634 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(94, 221, 196) }
```

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

```
.border{ border-color:rgb(94, 221, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 221, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 221, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 221, 196);  
box-shadow:4px 4px 4px 4px rgb(94, 221,  
196) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.0781, 0.2530, 0.3634 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 221, 196) }
```

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

```
.background{ background-color: rgb(94, 221,  
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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