

# Converting Colors

$Y_{xy}(54.7226, 0.2442, 0.3624)$

Have a look what the booklet for  
Yxy(54.7226, 0.2442, 0.3624)  
contains.

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# Color

**Yxy(54.7497, 0.2440, 0.3618)**

# Conversions

## Conversions Part 1

Format	Color
Hex	44D9C2
RGB	68, 217, 194
RGB Percent	27%, 85%, 76%
CMY	0.7340, 0.1490, 0.2393
CMYK	0.69, 0.00, 0.11, 0.15
HSL	171°, 66%, 56%
HSV	171°, 69%, 85%
XYZ	36.9235, 54.7497, 59.6527
YIQ	169.8270, -81.4210, -38.7410

# Conversions

## Conversions Part 2

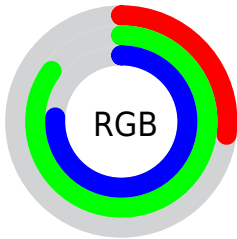
<b>Format</b>	<b>Color</b>
<b>RYB</b>	68, 149, 217
Decimal	4512194
CIELab	78.90, -44.21, -0.04
CIELCh	79, 44.207, 180.047
Yxy	54.7497, 0.2440, 0.3618
Android (android.graphics.Color)	4282702274 (0xFF44D9C2)
YUV	169.8270, 11.9173, -89.3023
Hunter-Lab	73.9930, -40.4139, 3.9960

# Details

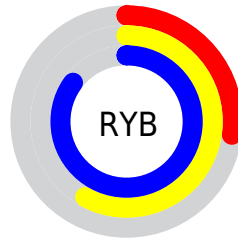
The Yxy color **54.7497, 0.2440, 0.3618** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light muted cyan. A complement of this color would be **19.6198, 0.5078, 0.3060**, and the grayscale version is **40.0539, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4905, 0.2518, 0.3345**, and **27.4128, 0.2355, 0.3678** is the 20% darker color. If you saturate the color by 10%, you get **53.9641, 0.2404, 0.3673**, and if you desaturate by 10%, it is **55.8313, 0.2496, 0.3563**.

# Distribution



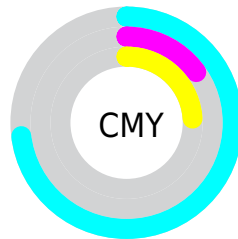
- Red (27%)
- Green (85%)
- Blue (76%)



- Red (27%)
- Yellow (58%)
- Blue (85%)



- Cyan (69%)
- Magenta (0%)
- Yellow (11%)
- Black (15%)



- Cyan (73%)
- Magenta (15%)
- Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.7497, 0.2440, 0.3618 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 54.7497, 0.2440, 0.3618 by changing the saturation by 10% instead.





 54.7497, 0.2440,  
0.3618


 54.7497, 0.2440,  
0.3618


404.9624, 0.2771,  
0.3460

 39.2014, 0.2361,  
0.3656


 97.1741, 0.2557,  
0.3562


 26.9164, 0.2262,  
0.3703


 124.8190, 0.2602,  
0.3541

 17.5105, 0.2135,  
0.3763


 157.2649, 0.2641,  
0.3522

 10.5991, 0.1965,  
0.3844

 194.8961, 0.2674,  
0.3506

 5.7979, 0.1728,  
0.3957

238.0970, 0.2703,  
0.3493

 2.7226, 0.1380,  
0.4123

287.2522, 0.2728,

 0.9887, 0.0000,

0.3480

0.4781

342.7458, 0.2751,  
0.3470

0.0000, 0.0000,  
0.0000

54.7497, 0.2440,  
0.3618

54.7497, 0.2440,  
0.3618

53.9641, 0.2404,  
0.3673

55.8313, 0.2496,  
0.3563

53.4344, 0.2386,  
0.3728

57.2312, 0.2570,  
0.3510


53.1104, 0.2386,  
0.3783

58.9768, 0.2662,  
0.3459


53.0754, 0.2386,  
0.3789


61.0906, 0.2768,  
0.3411

63.5933, 0.2885,  
0.3365

 66.5043, 0.3012,  
0.3323

 69.8413, 0.3144,  
0.3285

 73.6213, 0.3280,  
0.3251

 76.2840, 0.3356,  
0.3219

# Harmonies

## Analogous

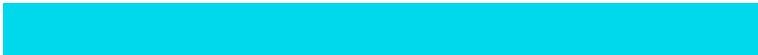
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



54.7497, 0.2933, 0.4145



54.7497, 0.2440, 0.3618



54.7497, 0.2144, 0.3029

# Triad

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



54.7497, 0.2440, 0.3618



54.7497, 0.2677, 0.2405



54.7497, 0.4277, 0.3843

# Complementary

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



54.7497, 0.2440, 0.3618



19.6198, 0.5078, 0.3060

# 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.



54.7497, 0.4218, 0.3393



54.7497, 0.2440, 0.3618



54.7497, 0.3242, 0.2608

# Square

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



54.7497, 0.2440, 0.3618



54.7497, 0.2273, 0.2391



54.7497, 0.3824, 0.2957



54.7497, 0.4004, 0.4213



# Rectangle

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



54.7497, 0.2440, 0.3618



54.7497, 0.2081, 0.2717



54.7497, 0.3824, 0.2957



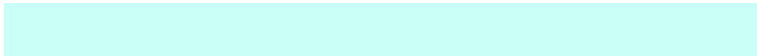
54.7497, 0.4297, 0.3697

# Sweetspot

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



54.7518, 0.2440, 0.3618



90.6990, 0.2856, 0.3376



52.3608, 0.3139, 0.5418



19.1943, 0.2822, 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.



54.7518, 0.2440, 0.3618



77.4114, 0.2395, 0.3695



33.9753, 0.2156, 0.2546



14.7932, 0.3003, 0.3326



32.1359, 0.2384, 0.3781



2.0914, 0.2359, 0.3692



# Inverse Universe

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



19.6198, 0.5078, 0.3060



23.7588, 0.5670, 0.3090



28.0214, 0.4939, 0.3836



13.0841, 0.3267, 0.3254



9.0080, 0.6176, 0.3176

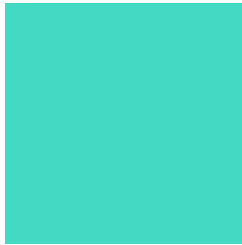


0.5940, 0.5771, 0.2953



# Previews

## White Background



This preview shows how the Yxy color 54.7497, 0.2440, 0.3618 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 54.7497, 0.2440, 0.3618 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

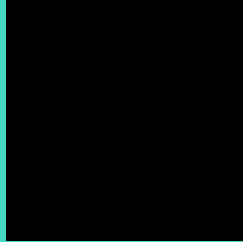
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

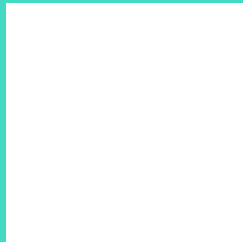
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 54.7497, 0.2440, 0.3618**

## **Background**



This preview shows how black text looks on a background with the Yxy color 54.7497, 0.2440, 0.3618.

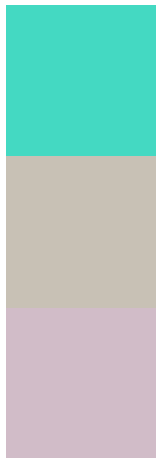


This preview shows how white text looks on a background with the Yxy color 54.7497, 0.2440, 0.3618.

# 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

54.7497, 0.2440, 0.3618

### Protanopia

53.7555, 0.3276, 0.3438

### Deuteranopia

53.6919, 0.3208, 0.3149



## Tritanopia

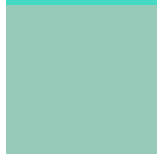
54.6754, 0.2320, 0.3061

# Trichromacy



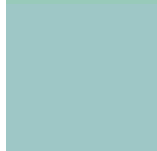
## Original Color

54.7497, 0.2440, 0.3618



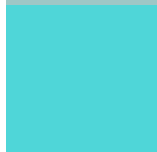
## Protanomaly

52.4616, 0.2868, 0.3504



## Deuteranomaly

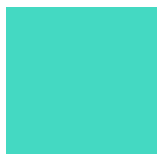
52.1932, 0.2829, 0.3302



## Tritanomaly

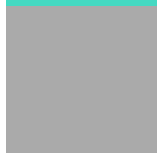
54.7133, 0.2364, 0.3260

# Monochromacy



## Original Color

54.7497, 0.2440, 0.3618



## Achromatopsia

40.1978, 0.3127, 0.3290



## Achromatomaly

43.7819, 0.2767, 0.3405

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.7497, 0.2440, 0.3618 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(68, 217, 194)` looks like.

```
.text, #text, p{  
    color:rgb(68, 217, 194)  
}
```

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(68, 217, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 217, 194) }
```

## Border

The CSS property to change the border of an element to Yxy 54.7497, 0.2440, 0.3618 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(68, 217, 194) }
```

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

```
.border{ border-color:rgb(68, 217, 194) }
```

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

Here you see how a box with a 4 pixel rgb(68, 217, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 217, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 217, 194);  
box-shadow:4px 4px 4px 4px rgb(68, 217,  
194) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.7497, 0.2440, 0.3618 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 217, 194) }
```

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

```
.background{ background-color: rgb(68, 217,  
194) }
```

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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