

# Converting Colors

$Yxy(53.2120, 0.2781, 0.3737)$

Have a look what the booklet for  
Yxy(53.2120, 0.2781, 0.3737)  
contains.

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# Color

**Yxy(53.4424, 0.2782, 0.3736)**

# Conversions

## Conversions Part 1

Format	Color
Hex	81D1B1
RGB	129, 209, 177
RGB Percent	51%, 82%, 69%
CMY	0.4939, 0.1804, 0.3059
CMYK	0.38, 0.00, 0.15, 0.18
HSL	156°, 46%, 66%
HSV	156°, 38%, 82%
XYZ	39.7957, 53.4424, 49.8090
YIQ	181.4320, -37.4080, -26.9120

# Conversions

## Conversions Part 2

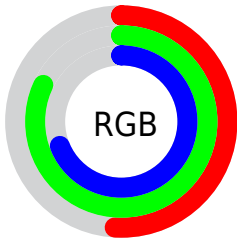
Format	Color
<a href="#">RYB</a>	<a href="#">129, 179, 209</a>
Decimal	<a href="#">8507825</a>
CIELab	<a href="#">78.14, -31.70, 8.20</a>
CIELCh	<a href="#">78, 32.744, 165.499</a>
Yxy	<a href="#">53.4424, 0.2782, 0.3736</a>
Android (android.graphics.Color)	<a href="#">4286697905</a> ( <a href="#">0xFF81D1B1</a> )
YUV	<a href="#">181.4320, -2.1850, -45.9829</a>
Hunter-Lab	<a href="#">73.1043, -30.7627, 10.7763</a>

# Details

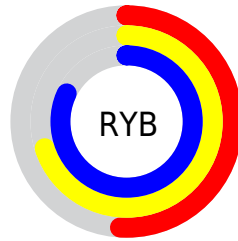
The Yxy color **53.4424, 0.2782, 0.3736** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **31.8469, 0.3684, 0.2890**, and the grayscale version is **46.4897, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.7175, 0.2836, 0.3530**, and **26.0623, 0.2689, 0.3872** is the 20% darker color. If you saturate the color by 10%, you get **51.6474, 0.2713, 0.3878**, and if you desaturate by 10%, it is **55.5969, 0.2863, 0.3604**.

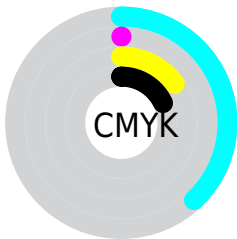
# Distribution



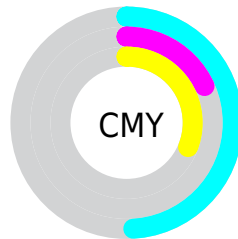
- Red (51%)
- Green (82%)
- Blue (69%)



- Red (51%)
- Yellow (70%)
- Blue (82%)



- Cyan (38%)
- Magenta (0%)
- Yellow (15%)
- Black (18%)




- Cyan (49%)
- Magenta (18%)
- Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.4424, 0.2782, 0.3736 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 53.4424, 0.2782, 0.3736 by changing the saturation by 10% instead.





 53.4424, 0.2782,  
0.3736


 53.4424, 0.2782,  
0.3736


399.9801, 0.2954,  
0.3512


 38.1561, 0.2740,  
0.3792


 95.2550, 0.2844,  
0.3654

 26.1038, 0.2685,  
0.3865


 122.5501, 0.2867,  
0.3623

 16.9013, 0.2613,  
0.3962


 154.6169, 0.2887,  
0.3598

 10.1642, 0.2514,  
0.4099

191.8398, 0.2904,  
0.3575

 5.5079, 0.2368,  
0.4304

234.6031, 0.2919,  
0.3556

 2.5483, 0.2132,  
0.4644

283.2914, 0.2932,

 0.9007, 0.0591,

0.3540

0.6479

338.2889, 0.2943,  
0.3525

0.0000, 0.0000,  
0.0000

53.4424, 0.2782,  
0.3736

53.4424, 0.2782,  
0.3736

51.6474, 0.2713,  
0.3878

55.5969, 0.2863,  
0.3604

50.1846, 0.2658,  
0.4027

58.1237, 0.2952,  
0.3483

49.0329, 0.2620,  
0.4181


61.0425, 0.3047,  
0.3372


48.1661, 0.2603,  
0.4338

64.3701, 0.3144,  
0.3273

47.5534, 0.2605,  
0.4493


68.1220, 0.3243,  
0.3185


 47.1490, 0.2626,  
0.4645

 72.3130, 0.3340,  
0.3107

 47.0875, 0.2631,  
0.4671

 72.8893, 0.3284,  
0.3025

 73.3859, 0.3225,  
0.2945

 73.9056, 0.3167,  
0.2866

# Harmonies

## Analogous

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



53.4424, 0.3202, 0.4025



53.4424, 0.2782, 0.3736



53.4424, 0.2469, 0.3311

# Triad

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



53.4424, 0.2782, 0.3736



53.4424, 0.2619, 0.2585



53.4424, 0.3998, 0.3566

# Complementary

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



53.4424, 0.2782, 0.3736



31.8469, 0.3684, 0.2890

# 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.



53.4424, 0.3824, 0.3213



53.4424, 0.2782, 0.3736



53.4424, 0.3003, 0.2671

# Square

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



53.4424, 0.2782, 0.3736



53.4424, 0.2382, 0.2664



53.4424, 0.3449, 0.2896



53.4424, 0.3917, 0.3881



# Rectangle

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



53.4424, 0.2782, 0.3736



53.4424, 0.2354, 0.3037



53.4424, 0.3449, 0.2896



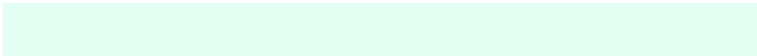
53.4424, 0.3967, 0.3449

# Sweetspot

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



53.4446, 0.2782, 0.3736



94.3605, 0.3019, 0.3403



54.9050, 0.3317, 0.4363



20.0600, 0.3006, 0.3418



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

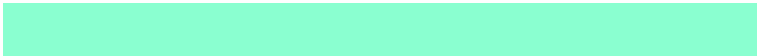


# Same Dimension

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



53.4446, 0.2782, 0.3736



81.4537, 0.2724, 0.3853



51.6731, 0.2586, 0.3199



13.3236, 0.3036, 0.3385



29.0542, 0.2625, 0.4649



1.6400, 0.2548, 0.4371



# Inverse Universe

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



31.8469, 0.3684, 0.2890



42.8395, 0.3864, 0.2805



32.6717, 0.4034, 0.3377



11.8855, 0.3229, 0.3197



8.7676, 0.5360, 0.2726



0.5057, 0.4875, 0.2459



# Previews

## White Background



This preview shows how the Yxy color 53.4424, 0.2782, 0.3736 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 53.4424, 0.2782, 0.3736 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

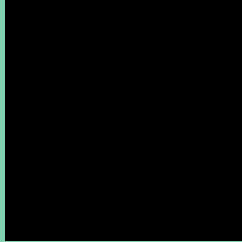
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

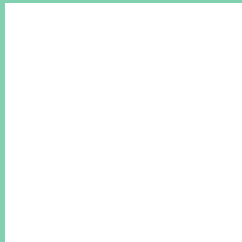
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 53.4424, 0.2782, 0.3736**

## Background



This preview shows how black text looks on a background with the Yxy color 53.4424, 0.2782, 0.3736.



This preview shows how white text looks on a background with the Yxy color 53.4424, 0.2782, 0.3736.

# 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

53.4424, 0.2782, 0.3736

### Protanopia

52.9439, 0.3388, 0.3588

### Deuteranopia

52.9423, 0.3407, 0.3338



## Tritanopia

53.3153, 0.2588, 0.3081

# Trichromacy



## Original Color

53.4424, 0.2782, 0.3736



## Protanomaly

52.4424, 0.3142, 0.3644



## Deuteranomaly

52.0692, 0.3151, 0.3469



## Tritanomaly

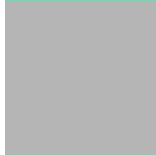
53.1732, 0.2653, 0.3302

# Monochromacy



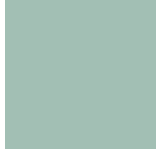
## Original Color

53.4424, 0.2782, 0.3736



## Achromatopsia

46.2077, 0.3127, 0.3290



## Achromatomaly

48.2383, 0.2977, 0.3438

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.4424, 0.2782, 0.3736 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(129, 209, 177)` looks like.

```
.text, #text, p{  
    color:rgb(129, 209, 177)  
}
```

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(129, 209, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 209, 177) }
```

## Border

The CSS property to change the border of an element to Yxy 53.4424, 0.2782, 0.3736 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(129, 209, 177) }
```

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

```
.border{ border-color:rgb(129, 209, 177) }
```

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

Here you see how a box with a 4 pixel rgb(129, 209, 177) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 209, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 209, 177);  
box-shadow:4px 4px 4px 4px rgb(129, 209,  
177) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.4424, 0.2782, 0.3736 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 209, 177) }
```

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

```
.background{ background-color: rgb(129,  
209, 177) }
```

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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