

# Converting Colors

$Yxy(54.2547, 0.2788, 0.3352)$

Have a look what the booklet for  
Yxy(54.2547, 0.2788, 0.3352)  
contains.

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# Color

**Yxy(54.1282, 0.2787, 0.3341)**

# Conversions

## Conversions Part 1

Format	Color
Hex	99CCC8
RGB	153, 204, 200
RGB Percent	60%, 80%, 78%
CMY	0.4001, 0.2000, 0.2156
CMYK	0.25, 0.00, 0.02, 0.20
HSL	175°, 33%, 70%
HSV	175°, 25%, 80%
XYZ	45.1527, 54.1282, 62.7310
YIQ	188.2950, -29.1120, -12.0560

# Conversions

## Conversions Part 2

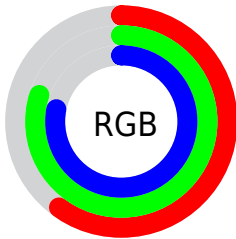
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	153, 180, 204
Decimal	10079432
CIE <sub>Lab</sub>	78.54, -17.35, -3.43
CIE <sub>LCh</sub>	79, 17.681, 191.171
Yxy	54.1282, 0.2787, 0.3341
Android (android.graphics.Color)	4288269512 (0xFF99CCC8)
YUV	188.2950, 5.7706, -30.9537
Hunter-Lab	73.5719, -19.2012, 0.9467

# Details

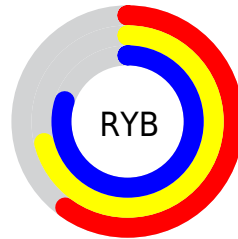
The Yxy color **54.1282, 0.2787, 0.3341** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **38.0417, 0.3609, 0.3241**, and the grayscale version is **50.4430, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.1499, 0.2849, 0.3289**, and **26.5973, 0.2697, 0.3360** is the 20% darker color. If you saturate the color by 10%, you get **52.2387, 0.2669, 0.3364**, and if you desaturate by 10%, it is **56.3622, 0.2917, 0.3319**.

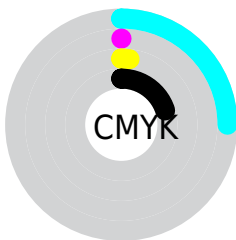
# Distribution



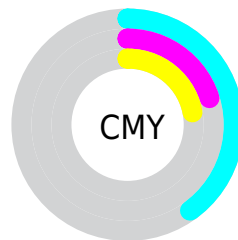
- Red (60%)
- Green (80%)
- Blue (78%)



- Red (60%)
- Yellow (71%)
- Blue (80%)



- Cyan (25%)
- Magenta (0%)
- Yellow (2%)
- Black (20%)




- Cyan (40%)
- Magenta (20%)
- Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.1282, 0.2787, 0.3341 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 54.1282, 0.2787, 0.3341 by changing the saturation by 10% instead.





 54.1282, 0.2787,  
0.3341


 54.1282, 0.2787,  
0.3341


402.5987, 0.2952,  
0.3318

 38.7042, 0.2747,  
0.3346


 96.2625, 0.2846,  
0.3333

 26.5297, 0.2698,  
0.3352


 123.7415, 0.2868,  
0.3330

 17.2203, 0.2633,  
0.3360


156.0076, 0.2887,  
0.3327

 10.3917, 0.2545,  
0.3370

193.4452, 0.2904,  
0.3325

 5.6594, 0.2420,  
0.3382

236.4387, 0.2918,  
0.3323

 2.6391, 0.2227,  
0.3398

285.3726, 0.2930,

 0.9464, 0.1744,

0.3321

0.3476

340.6311, 0.2942,  
0.3319

0.0000, 0.0000,  
0.0000

54.1282, 0.2787,  
0.3341

54.1282, 0.2787,  
0.3341

52.2387, 0.2669,  
0.3364

56.3622, 0.2917,  
0.3319

50.6699, 0.2565,  
0.3389

58.9502, 0.3055,  
0.3299

49.4051, 0.2479,  
0.3414


61.9093, 0.3200,  
0.3281

48.4237, 0.2410,  
0.3440

65.2537, 0.3347,  
0.3265


47.7024, 0.2361,  
0.3467


68.9969, 0.3496,  
0.3250


 47.2140, 0.2330,  
0.3493


 69.0814, 0.3484,  
0.3234

 46.9257, 0.2317,  
0.3519

 69.1608, 0.3472,  
0.3218

 46.8259, 0.2315,  
0.3532

 69.2410, 0.3459,  
0.3202

 69.3220, 0.3447,  
0.3186

# Harmonies

## Analogous

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



54.1282, 0.2976, 0.3550



54.1282, 0.2787, 0.3341



54.1282, 0.2689, 0.3125

# Triad

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



54.1282, 0.2787, 0.3341



54.1282, 0.3031, 0.2931



54.1282, 0.3568, 0.3600

# Complementary

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



54.1282, 0.2787, 0.3341



38.0417, 0.3609, 0.3241

# 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.



54.1282, 0.3586, 0.3426



54.1282, 0.2787, 0.3341



54.1282, 0.3270, 0.3049

# Square

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



54.1282, 0.2787, 0.3341



54.1282, 0.2826, 0.2899



54.1282, 0.3476, 0.3227



54.1282, 0.3428, 0.3699



# Rectangle

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



54.1282, 0.2787, 0.3341



54.1282, 0.2685, 0.3010



54.1282, 0.3476, 0.3227



54.1282, 0.3589, 0.3548

# Sweetspot

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



54.1304, 0.2787, 0.3341



96.2322, 0.3012, 0.3305



52.6787, 0.3126, 0.3988



20.4556, 0.2990, 0.3308



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

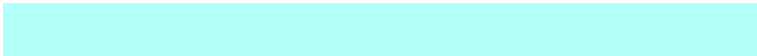


# Same Dimension

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



54.1304, 0.2787, 0.3341



87.8864, 0.2722, 0.3353



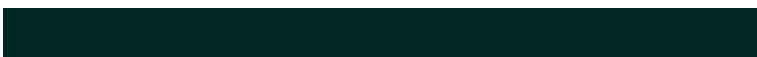
44.8888, 0.2738, 0.3004



12.7114, 0.2994, 0.3308



29.4763, 0.2313, 0.3528



1.5252, 0.2299, 0.3477



# Inverse Universe

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



38.0417, 0.3609, 0.3241



56.7801, 0.3752, 0.3229



45.4995, 0.3586, 0.3560



11.2276, 0.3278, 0.3272



8.1088, 0.6306, 0.3248



0.4234, 0.6012, 0.3086



# Previews

## White Background



This preview shows how the Yxy color 54.1282, 0.2787, 0.3341 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

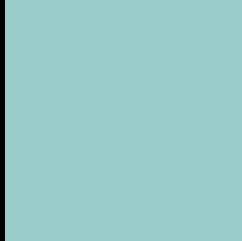
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 54.1282, 0.2787, 0.3341 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

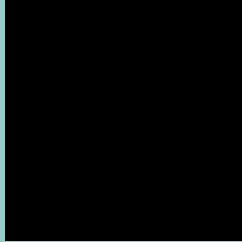
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

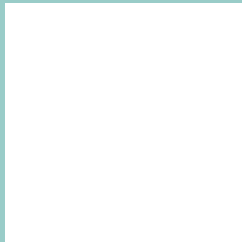
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 54.1282, 0.2787, 0.3341**

## Background



This preview shows how black text looks on a background with the Yxy color 54.1282, 0.2787, 0.3341.



This preview shows how white text looks on a background with the Yxy color 54.1282, 0.2787, 0.3341.

# 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

54.1282, 0.2787, 0.3341

### Protanopia

53.8605, 0.3159, 0.3290

### Deuteranopia

53.6881, 0.3176, 0.3113



## Tritanopia

53.9511, 0.2706, 0.3086

# Trichromacy



## Original Color

54.1282, 0.2787, 0.3341

## Protanomaly

53.7418, 0.3010, 0.3302

## Deuteranomaly

53.5392, 0.3021, 0.3191

## Tritanomaly

54.0121, 0.2737, 0.3173

# Monochromacy



## Original Color

54.1282, 0.2787, 0.3341

## Achromatopsia

50.2886, 0.3127, 0.3290

## Achromatomaly

51.5033, 0.2992, 0.3315

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.1282, 0.2787, 0.3341 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(153, 204, 200)` looks like.

```
.text, #text, p{  
    color:rgb(153, 204, 200)  
}
```

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(153, 204, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 204, 200) }
```

## Border

The CSS property to change the border of an element to Yxy 54.1282, 0.2787, 0.3341 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(153, 204, 200) }
```

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

```
.border{ border-color:rgb(153, 204, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 204, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 204, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 204, 200);  
box-shadow:4px 4px 4px 4px rgb(153, 204,  
200) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.1282, 0.2787, 0.3341 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 204, 200) }
```

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

```
.background{ background-color: rgb(153,  
204, 200) }
```

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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