

Converting Colors

$Y_{xy}(53.1022, 0.2924, 0.3624)$

Have a look what the booklet for
Yxy(53.1022, 0.2924, 0.3624)
contains.

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Color

Yxy(53.2127, 0.2921, 0.3626)

Conversions

Conversions Part 1

Format	Color
Hex	99CCB3
RGB	153, 204, 179
RGB Percent	60%, 80%, 70%
CMY	0.4000, 0.2000, 0.2979
CMYK	0.25, 0.00, 0.12, 0.20
HSL	151°, 33%, 70%
HSV	151°, 25%, 80%
XYZ	42.8666, 53.2127, 50.6739
YIQ	185.9010, -22.3710, -18.5870

Conversions

Conversions Part 2

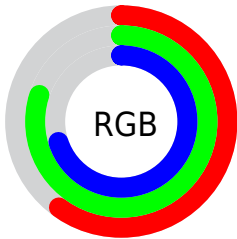
Format	Color
RYB	153, 187, 204
Decimal	10079411
CIELab	78.00, -21.73, 7.08
CIElCh	78, 22.859, 161.959
Yxy	53.2127, 0.2921, 0.3626
Android (android.graphics.Color)	4288269491 (0xFF99CCB3)
YUV	185.9010, -3.4022, -28.8542
Hunter-Lab	72.9470, -22.7636, 9.8761

Details

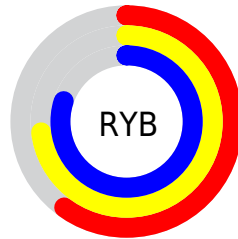
The Yxy color **53.2127, 0.2921, 0.3626** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **38.8293, 0.3399, 0.2977**, and the grayscale version is **49.0739, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.9281, 0.2955, 0.3500**, and **26.0858, 0.2869, 0.3735** is the 20% darker color. If you saturate the color by 10%, you get **51.0071, 0.2847, 0.3785**, and if you desaturate by 10%, it is **55.7913, 0.3001, 0.3481**.

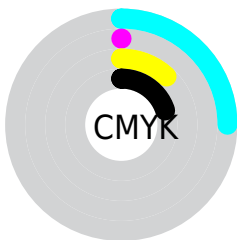
Distribution



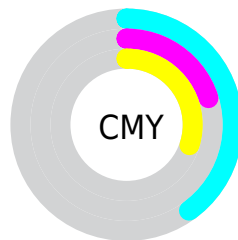
- Red (60%)
- Green (80%)
- Blue (70%)



- Red (60%)
- Yellow (73%)
- Blue (80%)



- Cyan (25%)
- Magenta (0%)
- Yellow (12%)
- Black (20%)





- Cyan (40%)
- Magenta (20%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.2127, 0.2921, 0.3626 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 53.2127, 0.2921, 0.3626 by changing the saturation by 10% instead.

 53.2127, 0.2921,
0.3626


 53.2127, 0.2921,
0.3626

399.1006, 0.3024,
0.3458

 37.9726, 0.2895,
0.3668


 94.9173, 0.2958,
0.3565

 25.9614, 0.2863,
0.3722

 122.1505, 0.2972,
0.3542

 16.7948, 0.2819,
0.3794


154.1503, 0.2984,
0.3522

 10.0883, 0.2759,
0.3895

191.3010, 0.2994,
0.3506

 5.4575, 0.2670,
0.4046

233.9870, 0.3003,
0.3491

 2.5181, 0.2523,
0.4297

282.5926, 0.3011,

 0.8857, 0.1868,

0.3479

0.5315

337.5024, 0.3018,
0.3468

0.0000, 0.0000,
0.0000

53.2127, 0.2921,
0.3626

53.2127, 0.2921,
0.3626

51.0071, 0.2847,
0.3785

55.7913, 0.3001,
0.3481

49.1501, 0.2783,
0.3957

58.7530, 0.3085,
0.3350

47.6244, 0.2731,
0.4140

62.1156, 0.3170,
0.3234

46.4086, 0.2695,
0.4330

65.8937, 0.3254,
0.3130

45.4788, 0.2678,
0.4522

70.1013, 0.3337,
0.3039

■ 44.8073, 0.2680,
0.4713

■ 70.6772, 0.3264,
0.2942

■ 44.3604, 0.2702,
0.4895

■ 71.2838, 0.3193,
0.2848

■ 44.1901, 0.2718,
0.4983

■ 71.6680, 0.3151,
0.2792

Harmonies

Analogous

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



53.2127, 0.3223, 0.3805



53.2127, 0.2921, 0.3626



53.2127, 0.2682, 0.3346

Triad

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



53.2127, 0.2921, 0.3626



53.2127, 0.2742, 0.2786



53.2127, 0.3728, 0.3467

Complementary

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



53.2127, 0.2921, 0.3626



38.8293, 0.3399, 0.2977

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.



53.2127, 0.3587, 0.3213



53.2127, 0.2921, 0.3626



53.2127, 0.3008, 0.2832

Square

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



53.2127, 0.2921, 0.3626



53.2127, 0.2583, 0.2866



53.2127, 0.3319, 0.2985



53.2127, 0.3697, 0.3693

Rectangle

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



53.2127, 0.2921, 0.3626



53.2127, 0.2587, 0.3153



53.2127, 0.3319, 0.2985



53.2127, 0.3699, 0.3383

Sweetspot

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



53.2149, 0.2921, 0.3626



95.7075, 0.3059, 0.3389



55.0113, 0.3292, 0.3953



20.3230, 0.3046, 0.3409



0.0000, 0.0000, 0.0000



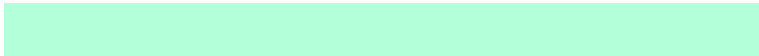
21.4041, 0.3127, 0.3290

Same Dimension

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



53.2149, 0.2921, 0.3626



86.0826, 0.2880, 0.3710



54.3189, 0.2763, 0.3289



12.6310, 0.3048, 0.3406



27.8312, 0.2711, 0.4958



1.4511, 0.2613, 0.4605

Inverse Universe

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



38.8293, 0.3399, 0.2977



58.2555, 0.3475, 0.2907



37.9159, 0.3650, 0.3292



11.3037, 0.3215, 0.3177



8.6763, 0.4986, 0.2520



0.4629, 0.4548, 0.2279

Previews

White Background



This preview shows how the Yxy color 53.2127, 0.2921, 0.3626 looks on a white background.

Color Contrast Check

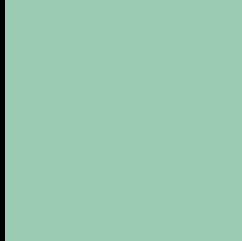
Large Text (above 18pt) WCAG AA × Fail

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 53.2127, 0.2921, 0.3626 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

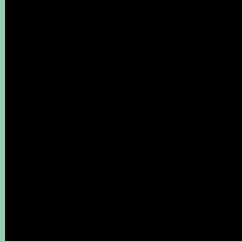
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

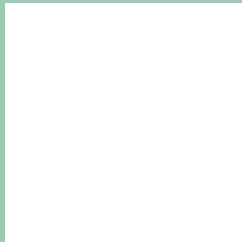
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 53.2127, 0.2921, 0.3626

Background



This preview shows how black text looks on a background with the Yxy color 53.2127, 0.2921, 0.3626.



This preview shows how white text looks on a background with the Yxy color 53.2127, 0.2921, 0.3626.

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

53.2127, 0.2921, 0.3626

Protanopia

52.9572, 0.3348, 0.3538

Deuteranopia

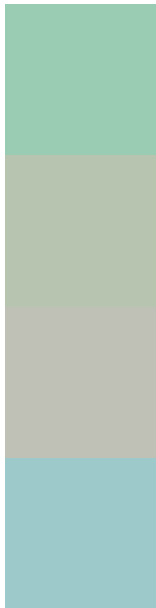
52.8329, 0.3390, 0.3326



Tritanopia

53.2267, 0.2736, 0.3086

Trichromacy



Original Color

53.2127, 0.2921, 0.3626

Protanomaly

52.6423, 0.3178, 0.3560

Deuteranomaly

52.7238, 0.3202, 0.3428

Tritanomaly

53.2057, 0.2799, 0.3276

Monochromacy



Original Color

53.2127, 0.2921, 0.3626

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

50.5575, 0.3049, 0.3420

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.2127, 0.2921, 0.3626 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, 179)` looks like.

```
.text, #text, p{  
    color:rgb(153, 204, 179)  
}
```

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, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 204, 179) }
```

Border

The CSS property to change the border of an element to Yxy 53.2127, 0.2921, 0.3626 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, 179) }
```

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

```
.border{ border-color:rgb(153, 204, 179) }
```

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, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 204, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 204, 179);  
box-shadow:4px 4px 4px 4px rgb(153, 204,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 53.2127, 0.2921, 0.3626 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, 179) }
```

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

```
.background{ background-color: rgb(153,  
204, 179) }
```

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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