

Converting Colors

$Yxy(52.7742, 0.2870, 0.3978)$

Have a look what the booklet for
Yxy(52.7742, 0.2870, 0.3978)
contains.

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Color

Yxy(52.7633, 0.2872, 0.3973)

Conversions

Conversions Part 1

Format	Color
Hex	80D1A1
RGB	128, 209, 161
RGB Percent	50%, 82%, 63%
CMY	0.4979, 0.1804, 0.3686
CMYK	0.39, 0.00, 0.23, 0.18
HSL	144°, 47%, 66%
HSV	144°, 39%, 82%
XYZ	38.1415, 52.7633, 41.8999
YIQ	179.3090, -32.8680, -32.1000

Conversions

Conversions Part 2

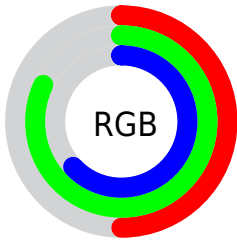
Format	Color
RYB	128, 186, 209
Decimal	8442273
CIELab	77.74, -35.23, 16.14
CIElCh	78, 38.752, 155.387
Yxy	52.7633, 0.2872, 0.3973
Android (android.graphics.Color)	4286632353 (0xFF80D1A1)
YUV	179.3090, -9.0263, -44.9980
Hunter-Lab	72.6384, -33.3890, 16.6467

Details

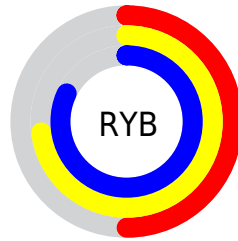
The Yxy color **52.7633, 0.2872, 0.3973** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **32.1402, 0.3515, 0.2699**, and the grayscale version is **45.3217, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.6682, 0.2919, 0.3724**, and **25.6712, 0.2795, 0.4186** is the 20% darker color. If you saturate the color by 10%, you get **50.8919, 0.2822, 0.4190**, and if you desaturate by 10%, it is **55.0161, 0.2931, 0.3771**.

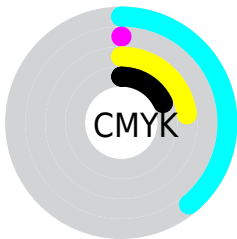
Distribution



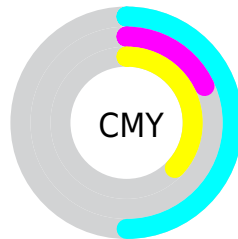
- Red (50%)
- Green (82%)
- Blue (63%)



- Red (50%)
- Yellow (73%)
- Blue (82%)



- Cyan (39%)
- Magenta (0%)
- Yellow (23%)
- Black (18%)





- Cyan (50%)
- Magenta (18%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.7633, 0.2872, 0.3973 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 52.7633, 0.2872, 0.3973 by changing the saturation by 10% instead.


 52.7633, 0.2872,
0.3973


 52.7633, 0.2872,
0.3973

397.3763, 0.3004,
0.3623

 37.6138, 0.2838,
0.4063


 94.2560, 0.2921,
0.3844

 25.6831, 0.2792,
0.4179


 121.3680, 0.2939,
0.3796

 16.5867, 0.2731,
0.4337


 153.2363, 0.2955,
0.3756

 9.9403, 0.2642,
0.4561

190.2453, 0.2967,
0.3722

 5.3594, 0.2505,
0.4903

232.7794, 0.2979,
0.3692

 2.4596, 0.2267,
0.5482

281.2231, 0.2988,

 0.8563, 0.0000,

0.3666

1.0000

335.9606, 0.2997,
0.3643

■ 0.0000, 0.0000,
0.0000

■ 52.7633, 0.2872,
0.3973

■ 52.7633, 0.2872,
0.3973

■ 50.8919, 0.2822,
0.4190

■ 55.0161, 0.2931,
0.3771

■ 49.3736, 0.2784,
0.4417

■ 57.6639, 0.2997,
0.3587

■ 48.1863, 0.2763,
0.4650


■ 60.7275, 0.3066,
0.3420

■ 47.3025, 0.2759,
0.4879


■ 64.2244, 0.3136,
0.3272

■ 46.6901, 0.2775,
0.5097

■ 68.1708, 0.3206,
0.3141

 46.2992, 0.2807,
0.5295

 72.5824, 0.3274,
0.3027

 46.2569, 0.2811,
0.5319

 73.6192, 0.3198,
0.2909

 74.0790, 0.3148,
0.2841

Harmonies

Analogous

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



52.7633, 0.3382, 0.4224



52.7633, 0.2872, 0.3973



52.7633, 0.2453, 0.3487

Triad

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



52.7633, 0.2872, 0.3973



52.7633, 0.2413, 0.2472



52.7633, 0.4127, 0.3464

Complementary

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



52.7633, 0.2872, 0.3973



32.1402, 0.3515, 0.2699

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.



52.7633, 0.3825, 0.3061



52.7633, 0.2872, 0.3973



52.7633, 0.2810, 0.2514

Square

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



52.7633, 0.2872, 0.3973



52.7633, 0.2208, 0.2626



52.7633, 0.3328, 0.2725



52.7633, 0.4128, 0.3861

Rectangle

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



52.7633, 0.2872, 0.3973



52.7633, 0.2274, 0.3140



52.7633, 0.3328, 0.2725



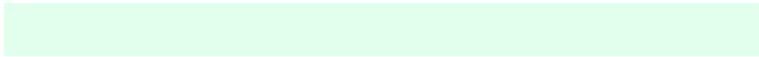
52.7633, 0.4057, 0.3327

Sweetspot

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



52.7655, 0.2872, 0.3973



93.5378, 0.3042, 0.3475



56.4607, 0.3437, 0.4337



19.8833, 0.3033, 0.3497



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.



52.7655, 0.2872, 0.3973



80.4208, 0.2832, 0.4141



54.4040, 0.2638, 0.3398



13.2850, 0.3061, 0.3431



28.5403, 0.2803, 0.5292



1.6114, 0.2700, 0.4920

Inverse Universe

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



32.1402, 0.3515, 0.2699



43.8668, 0.3626, 0.2583



30.7863, 0.3986, 0.3190



11.9241, 0.3199, 0.3153



9.2730, 0.4559, 0.2285



0.5340, 0.4246, 0.2113

Previews

White Background



This preview shows how the Yxy color 52.7633, 0.2872, 0.3973 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 52.7633, 0.2872, 0.3973 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

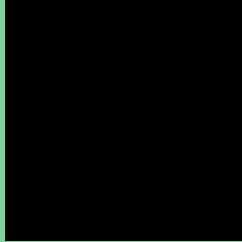
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 52.7633, 0.2872, 0.3973

Background



This preview shows how black text looks on a background with the Yxy color 52.7633, 0.2872, 0.3973.



This preview shows how white text looks on a background with the Yxy color 52.7633, 0.2872, 0.3973.

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

52.7633, 0.2872, 0.3973

Protanopia

52.2251, 0.3536, 0.3775

Deuteranopia

52.0942, 0.3581, 0.3504



Tritanopia

52.4980, 0.2602, 0.3068

Trichromacy



Original Color

52.7633, 0.2872, 0.3973



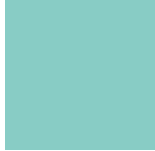
Protanomaly

51.9848, 0.3267, 0.3859



Deuteranomaly

51.2594, 0.3290, 0.3665



Tritanomaly

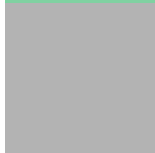
52.4512, 0.2698, 0.3384

Monochromacy



Original Color

52.7633, 0.2872, 0.3973



Achromatopsia

45.0786, 0.3127, 0.3290



Achromatomaly

47.2791, 0.3019, 0.3537

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.7633, 0.2872, 0.3973 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(128, 209, 161)` looks like.

```
.text, #text, p{  
    color:rgb(128, 209, 161)  
}
```

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(128, 209, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 209, 161) }
```

Border

The CSS property to change the border of an element to Yxy 52.7633, 0.2872, 0.3973 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(128, 209, 161) }
```

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

```
.border{ border-color:rgb(128, 209, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 209, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(128, 209, 161); -webkit-box-shadow:4px 4px 4px 4px rgb(128, 209, 161); box-shadow:4px 4px 4px 4px rgb(128, 209, 161) }
```


Background

The CSS property to change the background color of an element to Yxy 52.7633, 0.2872, 0.3973 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 209, 161) }
```

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

```
.background{ background-color: rgb(128,  
209, 161) }
```

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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