

Converting Colors

$Yxy(52.6141, 0.2802, 0.4346)$

Have a look what the booklet for
Yxy(52.6141, 0.2802, 0.4346)
contains.

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Color

Yxy(52.6177, 0.2807, 0.4352)

Conversions

Conversions Part 1

Format	Color
Hex	61D68F
RGB	97, 214, 143
RGB Percent	38%, 84%, 56%
CMY	0.6194, 0.1608, 0.4393
CMYK	0.55, 0.00, 0.33, 0.16
HSL	144°, 59%, 61%
HSV	144°, 55%, 84%
XYZ	33.9379, 52.6177, 34.3490
YIQ	170.9230, -46.9410, -46.8850

Conversions

Conversions Part 2

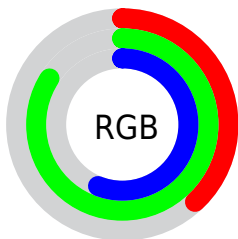
Format	Color
RYB	97, 181, 214
Decimal	6411919
CIELab	77.65, -48.94, 25.31
CIELCh	78, 55.098, 152.649
Yxy	52.6177, 0.2807, 0.4352
Android (android.graphics.Color)	4284601999 (0xFF61D68F)
YUV	170.9230, -13.7660, -64.8305
Hunter-Lab	72.5381, -43.4279, 22.7010

Details

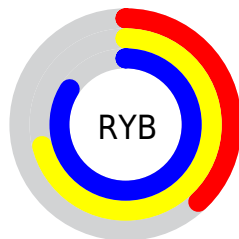
The Yxy color **52.6177, 0.2807, 0.4352** is a light color, and the websafe version is hex **33CC99**. A complement of this color would be **25.6858, 0.3731, 0.2452**, and the grayscale version is **40.7798, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5198, 0.2861, 0.3977**, and **25.4876, 0.2695, 0.4683** is the 20% darker color. If you saturate the color by 10%, you get **51.2265, 0.2780, 0.4589**, and if you desaturate by 10%, it is **54.3759, 0.2849, 0.4122**.

Distribution



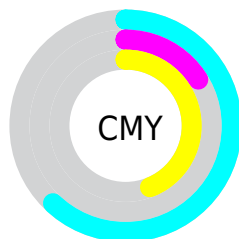
- Red (38%)
- Green (84%)
- Blue (56%)



- Red (38%)
- Yellow (71%)
- Blue (84%)



- Cyan (55%)
- Magenta (0%)
- Yellow (33%)
- Black (16%)





- Cyan (62%)
- Magenta (16%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 52.6177, 0.2807, 0.4352 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 52.6177, 0.2807, 0.4352 by changing the saturation by 10% instead.


 52.6177, 0.2807,
0.4352


 52.6177, 0.2807,
0.4352


396.8167, 0.2981,
0.3798


 37.4977, 0.2759,
0.4497


 94.0416, 0.2873,
0.4146


 25.5930, 0.2695,
0.4686


 121.1142, 0.2897,
0.4070

 16.5194, 0.2606,
0.4943


 152.9398, 0.2917,
0.4006

 9.8925, 0.2473,
0.5311

 189.9029, 0.2934,
0.3952

 5.3277, 0.2260,
0.5871

232.3877, 0.2948,
0.3905

 2.4408, 0.1914,
0.7053

280.7786, 0.2961,

 0.8468, 0.0000,

0.3865

1.0000

335.4602, 0.2972,
0.3830

■ 0.0000, 0.0000,
0.0000

■ 52.6177, 0.2807,
0.4352

■ 52.6177, 0.2807,
0.4352

■ 51.2265, 0.2780,
0.4589

■ 54.3759, 0.2849,
0.4122

■ 50.1682, 0.2770,
0.4826

■ 56.5193, 0.2902,
0.3905

■ 49.4130, 0.2778,
0.5053

■ 59.0726, 0.2962,
0.3704

■ 48.9222, 0.2805,
0.5262

■ 62.0564, 0.3028,
0.3522

■ 48.7333, 0.2824,
0.5365

■ 65.4901, 0.3095,
0.3359

■ 69.3917, 0.3164,
0.3215

■ 73.7784, 0.3231,
0.3088

■ 76.0645, 0.3200,
0.2966

■ 76.5724, 0.3146,
0.2891

Harmonies

Analogous

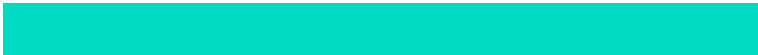
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



52.6177, 0.3515, 0.4652



52.6177, 0.2807, 0.4352



52.6177, 0.2224, 0.3632

Triad

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



52.6177, 0.2807, 0.4352



52.6177, 0.2109, 0.2177



52.6177, 0.4529, 0.3438

Complementary

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



52.6177, 0.2807, 0.4352



25.6858, 0.3731, 0.2452

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.



52.6177, 0.4063, 0.2913



52.6177, 0.2807, 0.4352



52.6177, 0.2614, 0.2223

Square

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



52.6177, 0.2807, 0.4352



52.6177, 0.1867, 0.2386



52.6177, 0.3328, 0.2484



52.6177, 0.4546, 0.3985

Rectangle

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



52.6177, 0.2807, 0.4352



52.6177, 0.1976, 0.3114



52.6177, 0.3328, 0.2484



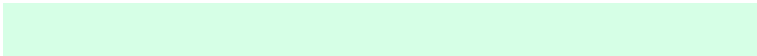
52.6177, 0.4419, 0.3257

Sweetspot

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



52.6198, 0.2807, 0.4352



91.5721, 0.3018, 0.3549



57.4106, 0.3545, 0.4777



19.3956, 0.3004, 0.3586



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.



52.6198, 0.2807, 0.4352



75.8253, 0.2776, 0.4637



54.8238, 0.2503, 0.3478



13.9760, 0.3063, 0.3435



29.4757, 0.2816, 0.5338



1.7939, 0.2718, 0.4986

Inverse Universe

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



25.6858, 0.3731, 0.2452



31.6975, 0.3931, 0.2316



23.9972, 0.4551, 0.3132



12.5462, 0.3197, 0.3149



9.6354, 0.4502, 0.2254



0.5972, 0.4219, 0.2098

Previews

White Background



This preview shows how the Yxy color 52.6177, 0.2807, 0.4352 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 52.6177, 0.2807, 0.4352 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

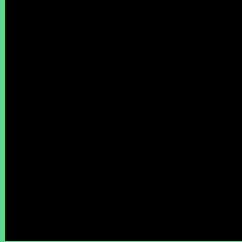
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 52.6177, 0.2807, 0.4352

Background



This preview shows how black text looks on a background with the Yxy color 52.6177, 0.2807, 0.4352.



This preview shows how white text looks on a background with the Yxy color 52.6177, 0.2807, 0.4352.

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

52.6177, 0.2807, 0.4352

Protanopia

51.6422, 0.3718, 0.3992

Deuteranopia

51.7570, 0.3758, 0.3679



Tritanopia

52.3281, 0.2473, 0.3063

Trichromacy



Original Color

52.6177, 0.2807, 0.4352



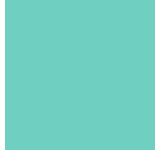
Protanomaly

50.7600, 0.3313, 0.4135



Deuteranomaly

50.0373, 0.3342, 0.3917



Tritanomaly

52.3415, 0.2590, 0.3499

Monochromacy



Original Color

52.6177, 0.2807, 0.4352



Achromatopsia

40.7240, 0.3127, 0.3290



Achromatomaly

44.0431, 0.2973, 0.3668

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.6177, 0.2807, 0.4352 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(97, 214, 143)` looks like.

```
.text, #text, p{  
  color:rgb(97, 214, 143)  
}
```

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(97, 214, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 214, 143) }
```

Border

The CSS property to change the border of an element to Yxy 52.6177, 0.2807, 0.4352 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(97, 214, 143) }
```

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

```
.border{ border-color:rgb(97, 214, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 214, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 214, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 214, 143);  
box-shadow:4px 4px 4px 4px rgb(97, 214,  
143) }
```


Background

The CSS property to change the background color of an element to Yxy 52.6177, 0.2807, 0.4352 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 214, 143) }
```

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

```
.background{ background-color: rgb(97, 214,  
143) }
```

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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