

Converting Colors

Yxy(52.0325, 0.2834, 0.4269)

Have a look what the booklet for
Yxy(52.0325, 0.2834, 0.4269)
contains.

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Color

Yxy(52.2265, 0.2834, 0.4269)

Conversions

Conversions Part 1

Format	Color
Hex	6AD492
RGB	106, 212, 146
RGB Percent	42%, 83%, 57%
CMY	0.5845, 0.1686, 0.4275
CMYK	0.50, 0.00, 0.31, 0.17
HSL	143°, 55%, 62%
HSV	143°, 50%, 83%
XYZ	34.6709, 52.2265, 35.4416
YIQ	172.7820, -41.9900, -42.9980

Conversions

Conversions Part 2

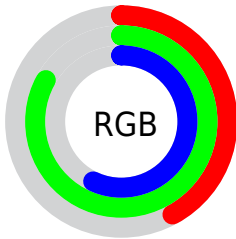
Format	Color
RYB	106, 183, 212
Decimal	7001234
CIELab	77.42, -45.40, 23.48
CIELCh	77, 51.115, 152.648
Yxy	52.2265, 0.2834, 0.4269
Android (android.graphics.Color)	4285191314 (0xFF6AD492)
YUV	172.7820, -13.2035, -58.5678
Hunter-Lab	72.2679, -40.8326, 21.5106

Details

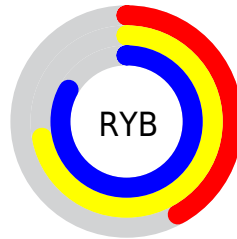
The Yxy color **52.2265, 0.2834, 0.4269** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **27.2757, 0.3640, 0.2497**, and the grayscale version is **41.7521, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4767, 0.2887, 0.3932**, and **25.4981, 0.2732, 0.4582** is the 20% darker color. If you saturate the color by 10%, you get **50.6997, 0.2801, 0.4509**, and if you desaturate by 10%, it is **54.1260, 0.2880, 0.4039**.

Distribution



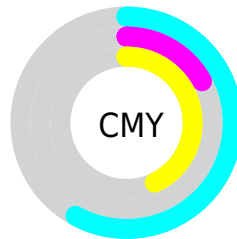
- Red (42%)
- Green (83%)
- Blue (57%)



- Red (42%)
- Yellow (72%)
- Blue (83%)



- Cyan (50%)
- Magenta (0%)
- Yellow (31%)
- Black (17%)



- Cyan (58%)
- Magenta (17%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.2265, 0.2834, 0.4269 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 52.2265, 0.2834, 0.4269 by changing the saturation by 10% instead.


 52.2265, 0.2834,
0.4269


 52.2265, 0.2834,
0.4269


395.3104, 0.2993,
0.3760


 37.1856, 0.2791,
0.4402


 93.4652, 0.2894,
0.4080


 25.3513, 0.2733,
0.4576


 120.4318, 0.2916,
0.4010

 16.3390, 0.2652,
0.4812


 152.1425, 0.2934,
0.3951

 9.7643, 0.2532,
0.5149

 188.9816, 0.2950,
0.3901

 5.2430, 0.2340,
0.5666

231.3336, 0.2963,
0.3859

 2.3905, 0.2028,
0.6692

279.5828, 0.2974,

 0.8210, 0.0000,

0.3821

1.0000

334.1136, 0.2984,
0.3789

■ 0.0000, 0.0000,
0.0000

■ 52.2265, 0.2834,
0.4269

■ 52.2265, 0.2834,
0.4269

■ 50.6997, 0.2801,
0.4509

■ 54.1260, 0.2880,
0.4039

■ 49.5134, 0.2783,
0.4753

■ 56.4150, 0.2935,
0.3823

■ 48.6407, 0.2784,
0.4990

■ 59.1168, 0.2996,
0.3626

■ 48.0470, 0.2803,
0.5211

■ 62.2510, 0.3061,
0.3449

■ 47.6717, 0.2836,
0.5408

■ 65.8361, 0.3127,
0.3290

69.8894, 0.3193,
0.3151

74.4272, 0.3256,
0.3028

75.3536, 0.3170,
0.2903

75.5721, 0.3147,
0.2871

Harmonies

Analogous

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



52.2265, 0.3497, 0.4552



52.2265, 0.2834, 0.4269



52.2265, 0.2284, 0.3610

Triad

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



52.2265, 0.2834, 0.4269



52.2265, 0.2171, 0.2245



52.2265, 0.4431, 0.3438

Complementary

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



52.2265, 0.2834, 0.4269



27.2757, 0.3640, 0.2497

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.



52.2265, 0.3998, 0.2940



52.2265, 0.2834, 0.4269



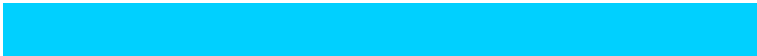
52.2265, 0.2650, 0.2286

Square

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



52.2265, 0.2834, 0.4269



52.2265, 0.1942, 0.2447



52.2265, 0.3317, 0.2533



52.2265, 0.4453, 0.3953

Rectangle

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



52.2265, 0.2834, 0.4269



52.2265, 0.2048, 0.3132



52.2265, 0.3317, 0.2533



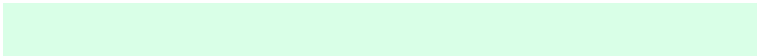
52.2265, 0.4328, 0.3266

Sweetspot

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



52.2286, 0.2834, 0.4269



92.0136, 0.3028, 0.3537



57.0303, 0.3535, 0.4645



19.4813, 0.3014, 0.3576



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.



52.2286, 0.2834, 0.4269



76.8741, 0.2799, 0.4524



54.2249, 0.2549, 0.3485



13.9728, 0.3065, 0.3439



29.4449, 0.2828, 0.5382



1.7918, 0.2730, 0.5028

Inverse Universe

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



27.2757, 0.3640, 0.2497



34.8054, 0.3800, 0.2357



25.6564, 0.4342, 0.3120



12.5495, 0.3195, 0.3146



9.6892, 0.4440, 0.2220



0.6003, 0.4172, 0.2072

Previews

White Background



This preview shows how the Yxy color 52.2265, 0.2834, 0.4269 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 52.2265, 0.2834, 0.4269 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 52.2265, 0.2834, 0.4269

Background



This preview shows how black text looks on a background with the Yxy color 52.2265, 0.2834, 0.4269.



This preview shows how white text looks on a background with the Yxy color 52.2265, 0.2834, 0.4269.

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

52.2265, 0.2834, 0.4269

Protanopia

51.5836, 0.3685, 0.3958

Deuteranopia

51.1280, 0.3718, 0.3635



Tritanopia

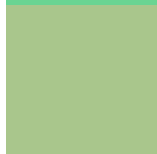
52.1863, 0.2511, 0.3076

Trichromacy



Original Color

52.2265, 0.2834, 0.4269



Protanomaly

50.7166, 0.3318, 0.4076



Deuteranomaly

49.9256, 0.3338, 0.3861



Tritanomaly

51.7999, 0.2627, 0.3484

Monochromacy



Original Color

52.2265, 0.2834, 0.4269



Achromatopsia

41.7885, 0.3127, 0.3290



Achromatomaly

44.5746, 0.2998, 0.3634

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.2265, 0.2834, 0.4269 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(106, 212, 146)` looks like.

```
.text, #text, p{  
    color:rgb(106, 212, 146)  
}
```

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(106, 212, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 212, 146) }
```

Border

The CSS property to change the border of an element to Yxy 52.2265, 0.2834, 0.4269 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(106, 212, 146) }
```

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

```
.border{ border-color:rgb(106, 212, 146) }
```

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

Here you see how a box with a 4 pixel rgb(106, 212, 146) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 212, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 212, 146);  
box-shadow:4px 4px 4px 4px rgb(106, 212,  
146) }
```


Background

The CSS property to change the background color of an element to Yxy 52.2265, 0.2834, 0.4269 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 212, 146) }
```

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

```
.background{ background-color: rgb(106,  
212, 146) }
```

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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