

Converting Colors

Yxy(52.6508, 0.2972, 0.4650)

Have a look what the booklet for
Yxy(52.6508, 0.2972, 0.4650)
contains.

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Color

Yxy(52.6241, 0.2974, 0.4655)

Conversions

Conversions Part 1

Format	Color
Hex	6BD67A
RGB	107, 214, 122
RGB Percent	42%, 84%, 48%
CMY	0.5805, 0.1608, 0.5215
CMYK	0.50, 0.00, 0.43, 0.16
HSL	128°, 57%, 63%
HSV	128°, 50%, 84%
XYZ	33.6206, 52.6241, 26.8038
YIQ	171.5190, -34.2400, -51.2960

Conversions

Conversions Part 2

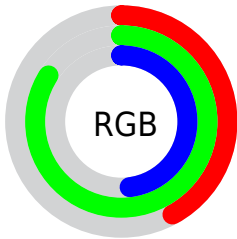
Format	Color
RYB	107, 201, 214
Decimal	7067258
CIELab	77.65, -50.06, 36.12
CIELCh	78, 61.736, 144.187
Yxy	52.6241, 0.2974, 0.4655
Android (android.graphics.Color)	4285257338 (0xFF6BD67A)
YUV	171.5190, -24.4129, -56.5832
Hunter-Lab	72.5425, -44.2215, 28.8726

Details

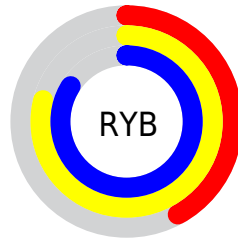
The Yxy color **52.6241, 0.2974, 0.4655** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **28.9270, 0.3342, 0.2233**, and the grayscale version is **41.1355, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5471, 0.3015, 0.4225**, and **25.4895, 0.2893, 0.5088** is the 20% darker color. If you saturate the color by 10%, you get **51.0468, 0.2955, 0.4974**, and if you desaturate by 10%, it is **54.6203, 0.3000, 0.4338**.

Distribution



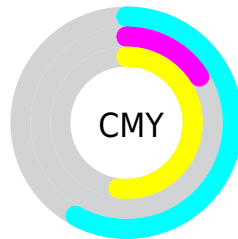
- Red (42%)
- Green (84%)
- Blue (48%)



- Red (42%)
- Yellow (79%)
- Blue (84%)



- Cyan (50%)
- Magenta (0%)
- Yellow (43%)
- Black (16%)



- Cyan (58%)
- Magenta (16%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 52.6241, 0.2974, 0.4655 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 52.6241, 0.2974, 0.4655 by changing the saturation by 10% instead.


 52.6241, 0.2974,
0.4655


 52.6241, 0.2974,
0.4655


396.8413, 0.3078,
0.3940


 37.5028, 0.2939,
0.4841


 94.0510, 0.3019,
0.4389

 25.5970, 0.2888,
0.5084


 121.1254, 0.3033,
0.4290

 16.5224, 0.2810,
0.5411


 152.9529, 0.3045,
0.4208

 9.8946, 0.2683,
0.5870

189.9179, 0.3054,
0.4138

 5.3291, 0.2460,
0.6547

232.4049, 0.3062,
0.4078

 2.4416, 0.2065,
0.7935

280.7982, 0.3068,

 0.8472, 0.0000,

0.4026

1.0000

335.4822, 0.3073,
0.3980

0.0000, 0.0000,
0.0000

52.6241, 0.2974,
0.4655

52.6241, 0.2974,
0.4655

51.0468, 0.2955,
0.4974

54.6203, 0.3000,
0.4338

49.8521, 0.2945,
0.5277

57.0553, 0.3030,
0.4037

49.0089, 0.2945,
0.5542

59.9558, 0.3062,
0.3759

48.4775, 0.2956,
0.5752

63.3445, 0.3095,
0.3510

48.1912, 0.2971,
0.5896

67.2423, 0.3127,
0.3290

■ 71.6693, 0.3158,
0.3098

■ 76.3066, 0.3174,
0.2930

■ 76.5769, 0.3146,
0.2891

Harmonies

Analogous

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



52.6241, 0.3757, 0.4800



52.6241, 0.2974, 0.4655



52.6241, 0.2275, 0.3927

Triad

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



52.6241, 0.2974, 0.4655



52.6241, 0.1901, 0.2096



52.6241, 0.4597, 0.3269

Complementary

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



52.6241, 0.2974, 0.4655



28.9270, 0.3342, 0.2233

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.



52.6241, 0.3957, 0.2722



52.6241, 0.2974, 0.4655



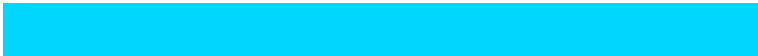
52.6241, 0.2370, 0.2078

Square

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



52.6241, 0.2974, 0.4655



52.6241, 0.1722, 0.2401



52.6241, 0.3106, 0.2301



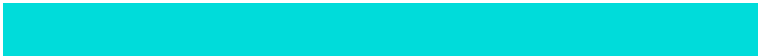
52.6241, 0.4752, 0.3866

Rectangle

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



52.6241, 0.2974, 0.4655



52.6241, 0.1950, 0.3320



52.6241, 0.3106, 0.2301



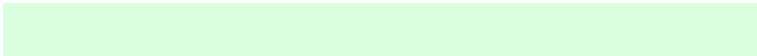
52.6241, 0.4428, 0.3077

Sweetspot

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



52.6263, 0.2974, 0.4655



91.5143, 0.3078, 0.3634



61.4007, 0.3739, 0.4550



19.3623, 0.3071, 0.3688



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.



52.6263, 0.2974, 0.4655



75.7879, 0.2954, 0.4992



54.3063, 0.2681, 0.3850



13.9241, 0.3097, 0.3496



29.1353, 0.2967, 0.5880



1.7667, 0.2894, 0.5618

Inverse Universe

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



28.9270, 0.3342, 0.2233



36.6735, 0.3399, 0.2051



26.8876, 0.3998, 0.2814



12.6013, 0.3159, 0.3092



10.7421, 0.3597, 0.1755



0.6564, 0.3520, 0.1713

Previews

White Background



This preview shows how the Yxy color 52.6241, 0.2974, 0.4655 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 52.6241, 0.2974, 0.4655 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 52.6241, 0.2974, 0.4655

Background



This preview shows how black text looks on a background with the Yxy color 52.6241, 0.2974, 0.4655.



This preview shows how white text looks on a background with the Yxy color 52.6241, 0.2974, 0.4655.

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

52.6241, 0.2974, 0.4655

Protanopia

52.0092, 0.3893, 0.4227

Deuteranopia

51.5349, 0.3986, 0.3899



Tritanopia

52.4935, 0.2533, 0.3078

Trichromacy



Original Color

52.6241, 0.2974, 0.4655



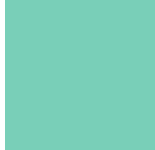
Protanomaly

50.8785, 0.3509, 0.4399



Deuteranomaly

50.2803, 0.3560, 0.4180



Tritanomaly

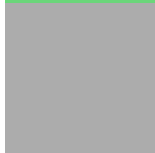
52.1513, 0.2691, 0.3612

Monochromacy



Original Color

52.6241, 0.2974, 0.4655



Achromatopsia

41.2543, 0.3127, 0.3290



Achromatomaly

44.1696, 0.3056, 0.3769

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.6241, 0.2974, 0.4655 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(107, 214, 122)` looks like.

```
.text, #text, p{  
    color:rgb(107, 214, 122)  
}
```

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(107, 214, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 214, 122) }
```

Border

The CSS property to change the border of an element to Yxy 52.6241, 0.2974, 0.4655 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(107, 214, 122) }
```

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

```
.border{ border-color:rgb(107, 214, 122) }
```

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

Here you see how a box with a 4 pixel rgb(107, 214, 122) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 214, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 214, 122);  
box-shadow:4px 4px 4px 4px rgb(107, 214,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 52.6241, 0.2974, 0.4655 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 214, 122) }
```

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

```
.background{ background-color: rgb(107,  
214, 122) }
```

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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