

Converting Colors

$Yxy(52.6996, 0.2901, 0.4517)$

Have a look what the booklet for
Yxy(52.6996, 0.2901, 0.4517)
contains.

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Color

Yxy(52.6426, 0.2898, 0.4513)

Conversions

Conversions Part 1

Format	Color
Hex	67D684
RGB	103, 214, 132
RGB Percent	40%, 84%, 52%
CMY	0.5960, 0.1608, 0.4824
CMYK	0.52, 0.00, 0.38, 0.16
HSL	136°, 58%, 62%
HSV	136°, 52%, 84%
XYZ	33.8042, 52.6426, 30.1998
YIQ	171.4630, -39.8340, -49.0340

Conversions

Conversions Part 2

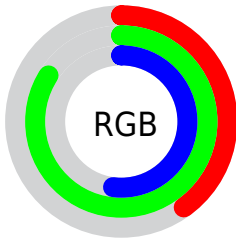
Format	Color
RYB	103, 191, 214
Decimal	6805124
CIELab	77.66, -49.47, 31.06
CIELCh	78, 58.411, 147.878
Yxy	52.6426, 0.2898, 0.4513
Android (android.graphics.Color)	4284995204 (0xFF67D684)
YUV	171.4630, -19.4553, -60.0421
Hunter-Lab	72.5552, -43.8068, 26.1103

Details

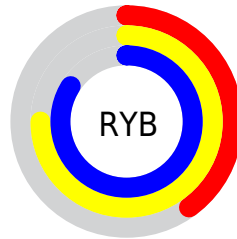
The Yxy color **52.6426, 0.2898, 0.4513** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **27.5036, 0.3507, 0.2333**, and the grayscale version is **41.0857, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.6422, 0.2948, 0.4107**, and **25.4989, 0.2804, 0.4901** is the 20% darker color. If you saturate the color by 10%, you get **51.1364, 0.2875, 0.4796**, and if you desaturate by 10%, it is **54.5426, 0.2932, 0.4236**.

Distribution



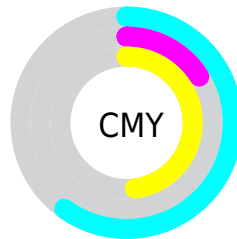
- Red (40%)
- Green (84%)
- Blue (52%)



- Red (40%)
- Yellow (75%)
- Blue (84%)



- Cyan (52%)
- Magenta (0%)
- Yellow (38%)
- Black (16%)





- Cyan (60%)
- Magenta (16%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.6426, 0.2898, 0.4513 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 52.6426, 0.2898, 0.4513 by changing the saturation by 10% instead.

 52.6426, 0.2898,
0.4513


 52.6426, 0.2898,
0.4513


396.9124, 0.3033,
0.3873


 37.5175, 0.2857,
0.4680


 94.0783, 0.2952,
0.4274


 25.6084, 0.2801,
0.4899


 121.1576, 0.2971,
0.4187

 16.5309, 0.2720,
0.5195


 152.9906, 0.2986,
0.4113

 9.9006, 0.2593,
0.5615

 189.9614, 0.2999,
0.4050

 5.3331, 0.2377,
0.6244

232.4547, 0.3010,
0.3997

 2.4440, 0.2103,
0.7897

280.8547, 0.3019,

 0.8484, 0.0000,

0.3950

1.0000

335.5458, 0.3026,
0.3909

■ 0.0000, 0.0000,
0.0000

■ 52.6426, 0.2898,
0.4513

■ 52.6426, 0.2898,
0.4513

■ 51.1364, 0.2875,
0.4796

■ 54.5426, 0.2932,
0.4236

■ 49.9893, 0.2866,
0.5073

■ 56.8551, 0.2973,
0.3974

■ 49.1714, 0.2872,
0.5330


■ 59.6056, 0.3020,
0.3734


■ 48.6444, 0.2893,
0.5551


■ 62.8154, 0.3069,
0.3516

■ 48.3794, 0.2916,
0.5699

■ 66.5046, 0.3118,
0.3323

 70.6918, 0.3167,
0.3154

 75.3949, 0.3214,
0.3005

 76.5753, 0.3146,
0.2891

Harmonies

Analogous

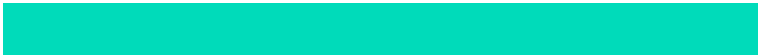
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



52.6426, 0.3645, 0.4732



52.6426, 0.2898, 0.4513



52.6426, 0.2253, 0.3787

Triad

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



52.6426, 0.2898, 0.4513



52.6426, 0.1997, 0.2135



52.6426, 0.4564, 0.3346

Complementary

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



52.6426, 0.2898, 0.4513



27.5036, 0.3507, 0.2333

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.



52.6426, 0.4005, 0.2810



52.6426, 0.2898, 0.4513



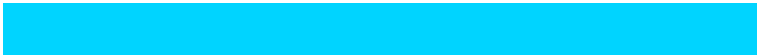
52.6426, 0.2483, 0.2146

Square

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



52.6426, 0.2898, 0.4513



52.6426, 0.1791, 0.2395



52.6426, 0.3209, 0.2387



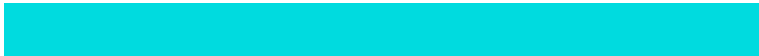
52.6426, 0.4654, 0.3921

Rectangle

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



52.6426, 0.2898, 0.4513



52.6426, 0.1964, 0.3223



52.6426, 0.3209, 0.2387



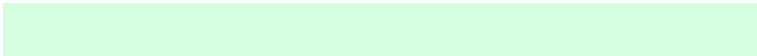
52.6426, 0.4423, 0.3160

Sweetspot

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



52.6448, 0.2898, 0.4513



91.2742, 0.3047, 0.3607



59.5460, 0.3651, 0.4644



19.3251, 0.3037, 0.3652



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.



52.6448, 0.2898, 0.4513



75.8955, 0.2874, 0.4817



54.5355, 0.2601, 0.3681



13.9487, 0.3081, 0.3467



29.2555, 0.2910, 0.5675



1.7782, 0.2814, 0.5329

Inverse Universe

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



27.5036, 0.3507, 0.2333



34.6327, 0.3616, 0.2174



25.6313, 0.4229, 0.2956



12.5748, 0.3177, 0.3119



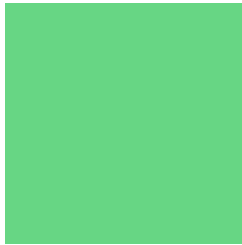
10.1542, 0.3997, 0.1975



0.6257, 0.3831, 0.1884

Previews

White Background



This preview shows how the Yxy color 52.6426, 0.2898, 0.4513 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 52.6426, 0.2898, 0.4513 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

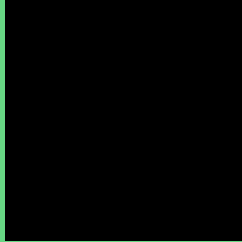
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 52.6426, 0.2898, 0.4513

Background



This preview shows how black text looks on a background with the Yxy color 52.6426, 0.2898, 0.4513.



This preview shows how white text looks on a background with the Yxy color 52.6426, 0.2898, 0.4513.

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

52.6426, 0.2898, 0.4513

Protanopia

51.9571, 0.3801, 0.4119

Deuteranopia

51.8998, 0.3879, 0.3802



Tritanopia

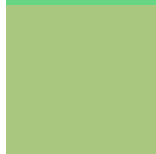
52.2392, 0.2506, 0.3064

Trichromacy



Original Color

52.6426, 0.2898, 0.4513



Protanomaly

50.7882, 0.3415, 0.4277



Deuteranomaly

50.1849, 0.3459, 0.4057



Tritanomaly

52.0384, 0.2646, 0.3556

Monochromacy



Original Color

52.6426, 0.2898, 0.4513



Achromatopsia

40.7240, 0.3127, 0.3290



Achromatomaly

44.0860, 0.3018, 0.3726

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.6426, 0.2898, 0.4513 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(103, 214, 132)` looks like.

```
.text, #text, p{  
    color:rgb(103, 214, 132)  
}
```

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(103, 214, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 214, 132) }
```

Border

The CSS property to change the border of an element to Yxy 52.6426, 0.2898, 0.4513 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(103, 214, 132) }
```

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

```
.border{ border-color:rgb(103, 214, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 214, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 214, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 214, 132);  
box-shadow:4px 4px 4px 4px rgb(103, 214,  
132) }
```


Background

The CSS property to change the background color of an element to Yxy 52.6426, 0.2898, 0.4513 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 214, 132) }
```

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

```
.background{ background-color: rgb(103,  
214, 132) }
```

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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