

Converting Colors

Yxy(52.7594, 0.3197, 0.5034)

Have a look what the booklet for
Yxy(52.7594, 0.3197, 0.5034)
contains.

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Color

Yxy(52.7174, 0.3195, 0.5035)

Conversions

Conversions Part 1

Format	Color
Hex	76D65C
RGB	118, 214, 92
RGB Percent	46%, 84%, 36%
CMY	0.5371, 0.1608, 0.6393
CMYK	0.45, 0.00, 0.57, 0.16
HSL	107°, 60%, 60%
HSV	107°, 57%, 84%
XYZ	33.4523, 52.7174, 18.5322
YIQ	171.3880, -18.0540, -58.2940

Conversions

Conversions Part 2

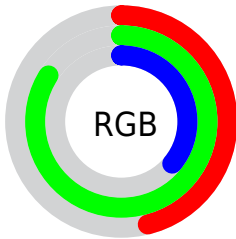
Format	Color
RYB	92, 214, 188
Decimal	7788124
CIELab	77.71, -50.89, 50.73
CIELCh	78, 71.857, 135.093
Yxy	52.7174, 0.3195, 0.5035
Android (android.graphics.Color)	4285978204 (0xFF76D65C)
YUV	171.3880, -39.1383, -46.8213
Hunter-Lab	72.6067, -44.8211, 35.6915

Details

The Yxy color **52.7174, 0.3195, 0.5035** is a dark color, and the websafe version is hex **66CC66**. The color can be described as middle muted chartreuse. A complement of this color would be **23.1903, 0.2911, 0.1840**, and the grayscale version is **41.1418, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8254, 0.3238, 0.4557**, and **25.5235, 0.3133, 0.5560** is the 20% darker color. If you saturate the color by 10%, you get **51.3214, 0.3181, 0.5342**, and if you desaturate by 10%, it is **54.4339, 0.3198, 0.4703**.

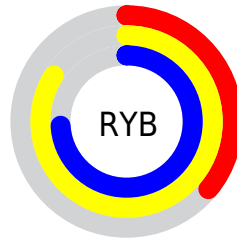
Distribution



Red (46%)

Green (84%)

Blue (36%)



Red (36%)

Yellow (84%)

Blue (74%)

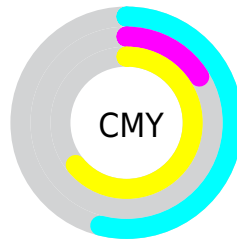


Cyan (45%)

Magenta (0%)

Yellow (57%)

Black (16%)



Cyan (54%)


Magenta (16%)

Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 52.7174, 0.3195, 0.5035 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 52.7174, 0.3195, 0.5035 by changing the saturation by 10% instead.

 52.7174, 0.3195,
0.5035


 52.7174, 0.3195,
0.5035


397.2000, 0.3213,
0.4126

 37.5772, 0.3171,
0.5265


 94.1884, 0.3215,
0.4700


 25.6547, 0.3129,
0.5558


 121.2880, 0.3219,
0.4576

 16.5655, 0.3052,
0.5940


 153.1429, 0.3220,
0.4471

 9.9252, 0.2908,
0.6443

 190.1374, 0.3220,
0.4381

 5.3494, 0.2698,
0.7302

232.6560, 0.3219,
0.4304

 2.4537, 0.2019,
0.7981

281.0830, 0.3217,

 0.8533, 0.0000,

0.4237


1.0000


335.8029, 0.3215,
0.4178


 0.0000, 0.0000,
0.0000


 52.7174, 0.3195,
0.5035

 52.7174, 0.3195,
0.5035


 51.3214, 0.3181,
0.5342


 54.4339, 0.3198,
0.4703

 50.2187, 0.3156,
0.5602


 56.4825, 0.3193,
0.4367


 49.3887, 0.3122,
0.5796

 58.8824, 0.3180,
0.4042

 48.8036, 0.3083,
0.5916

 61.6495, 0.3163,
0.3740

 48.6671, 0.3072,
0.5943

 64.7986, 0.3142,
0.3465

■ 68.3436, 0.3121,
0.3220

■ 72.2978, 0.3098,
0.3003

■ 76.1357, 0.3130,
0.2889

■ 76.5733, 0.3146,
0.2891

Harmonies

Analogous

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



52.7174, 0.4068, 0.4934



52.7174, 0.3195, 0.5035



52.7174, 0.2351, 0.4356

Triad

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



52.7174, 0.3195, 0.5035



52.7174, 0.1649, 0.1997



52.7174, 0.4660, 0.3047

Complementary

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



52.7174, 0.3195, 0.5035



23.1903, 0.2911, 0.1840

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.



52.7174, 0.3790, 0.2477



52.7174, 0.3195, 0.5035



52.7174, 0.2066, 0.1898

Square

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



52.7174, 0.3195, 0.5035



52.7174, 0.1546, 0.2432



52.7174, 0.2811, 0.2072



52.7174, 0.5010, 0.3696

Rectangle

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



52.7174, 0.3195, 0.5035



52.7174, 0.1924, 0.3633



52.7174, 0.2811, 0.2072



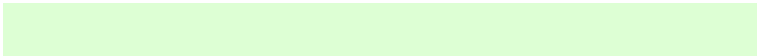
52.7174, 0.4411, 0.2845

Sweetspot

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



52.7196, 0.3195, 0.5035



91.6133, 0.3163, 0.3744



50.8484, 0.4105, 0.4390



19.4210, 0.3167, 0.3804



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.



52.7196, 0.3195, 0.5035



76.0187, 0.3178, 0.5389



51.8882, 0.2870, 0.4617



14.0225, 0.3148, 0.3529



29.4530, 0.3080, 0.5937



1.8130, 0.3198, 0.5842

Inverse Universe

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



23.1903, 0.2911, 0.1840



28.0958, 0.2847, 0.1601



25.2191, 0.3593, 0.2280



12.4927, 0.3104, 0.3058



8.0332, 0.2677, 0.1248



0.5187, 0.2773, 0.1302

Previews

White Background



This preview shows how the Yxy color 52.7174, 0.3195, 0.5035 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 52.7174, 0.3195, 0.5035 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 52.7174, 0.3195, 0.5035

Background



This preview shows how black text looks on a background with the Yxy color 52.7174, 0.3195, 0.5035.



This preview shows how white text looks on a background with the Yxy color 52.7174, 0.3195, 0.5035.

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

52.7174, 0.3195, 0.5035

Protanopia

51.9145, 0.4108, 0.4497

Deuteranopia

51.8879, 0.4260, 0.4170



Tritanopia

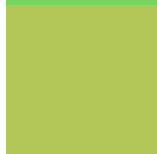
52.4458, 0.2607, 0.3080

Trichromacy



Original Color

52.7174, 0.3195, 0.5035



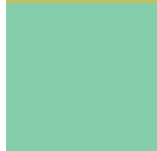
Protanomaly

51.0164, 0.3737, 0.4702



Deuteranomaly

50.6719, 0.3827, 0.4486



Tritanomaly

52.1077, 0.2833, 0.3767

Monochromacy



Original Color

52.7174, 0.3195, 0.5035



Achromatopsia

40.7240, 0.3127, 0.3290



Achromatomaly

44.1690, 0.3178, 0.3943

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.7174, 0.3195, 0.5035 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(118, 214, 92)` looks like.

```
.text, #text, p{  
    color:rgb(118, 214, 92)  
}
```

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(118, 214, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 214, 92) }
```

Border

The CSS property to change the border of an element to Yxy 52.7174, 0.3195, 0.5035 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(118, 214, 92) }
```

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

```
.border{ border-color:rgb(118, 214, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 214, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 214, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 214, 92);  
box-shadow:4px 4px 4px 4px rgb(118, 214,  
92) }
```


Background

The CSS property to change the background color of an element to Yxy 52.7174, 0.3195, 0.5035 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 214, 92) }
```

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

```
.background{ background-color: rgb(118,  
214, 92) }
```

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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