

Converting Colors

Yxy(51.4210, 0.3124, 0.4613)

Have a look what the booklet for
Yxy(51.4210, 0.3124, 0.4613)
contains.

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Color

Yxy(51.4210, 0.3124, 0.4613)

Conversions

Conversions Part 1

Format	Color
Hex	7FD176
RGB	127, 209, 118
RGB Percent	50%, 82%, 46%
CMY	0.5019, 0.1804, 0.5373
CMYK	0.39, 0.00, 0.44, 0.18
HSL	114°, 50%, 64%
HSV	114°, 44%, 82%
XYZ	34.8232, 51.4210, 25.2256
YIQ	174.1080, -19.6610, -45.6850

Conversions

Conversions Part 2

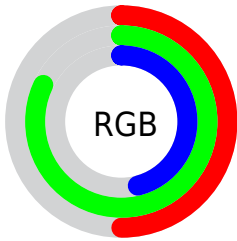
Format	Color
RYB	118, 209, 200
Decimal	8376694
CIELab	76.93, -42.80, 37.39
CIElCh	77, 56.832, 138.854
Yxy	51.4210, 0.3124, 0.4613
Android (android.graphics.Color)	4286566774 (0xFF7FD176)
YUV	174.1080, -27.6612, -41.3137
Hunter-Lab	71.7084, -38.8063, 29.3389

Details

The Yxy color **51.4210, 0.3124, 0.4613** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **29.8356, 0.3085, 0.2202**, and the grayscale version is **42.5397, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.5276, 0.3152, 0.4254**, and **24.9063, 0.3076, 0.5016** is the 20% darker color. If you saturate the color by 10%, you get **49.6669, 0.3113, 0.4961**, and if you desaturate by 10%, it is **53.5598, 0.3130, 0.4268**.

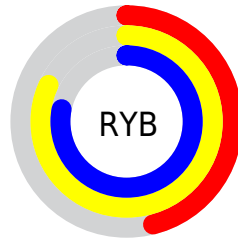
Distribution



Red (50%)

Green (82%)

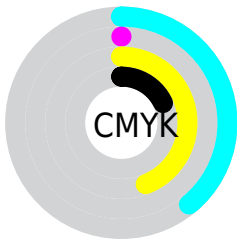
Blue (46%)



Red (46%)

Yellow (82%)

Blue (78%)

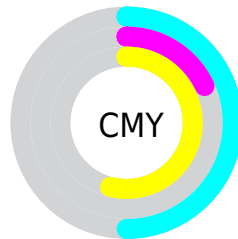


Cyan (39%)

Magenta (0%)

Yellow (44%)

Black (18%)



Cyan (50%)


Magenta (18%)


Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.4210, 0.3124, 0.4613 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 51.4210, 0.3124, 0.4613 by changing the saturation by 10% instead.


 51.4210, 0.3124,
0.4613


 51.4210, 0.3124,
0.4613


392.1973, 0.3153,
0.3922


 36.5438, 0.3107,
0.4792


 92.2768, 0.3142,
0.4356

 24.8544, 0.3078,
0.5024

 119.0241, 0.3146,
0.4262

 15.9686, 0.3030,
0.5335


 150.4969, 0.3149,
0.4182

 9.5020, 0.2940,
0.5768

187.0797, 0.3151,
0.4115

 5.0700, 0.2774,
0.6425

229.1566, 0.3152,
0.4056

 2.2884, 0.2436,
0.7564

277.1123, 0.3153,

 0.7676, 0.0000,

0.4006

1.0000

331.3311, 0.3153,
0.3961

0.0000, 0.0000,
0.0000

51.4210, 0.3124,
0.4613

51.4210, 0.3124,
0.4613

49.6669, 0.3113,
0.4961

53.5598, 0.3130,
0.4268

48.2684, 0.3098,
0.5291

56.0972, 0.3132,
0.3942

47.2029, 0.3079,
0.5576


59.0546, 0.3132,
0.3643

46.4424, 0.3056,
0.5794

62.4498, 0.3129,
0.3377

45.9541, 0.3033,
0.5931

66.2997, 0.3124,
0.3142

 45.7590, 0.3021,
0.5983

 70.6202, 0.3119,
0.2938

 74.0827, 0.3148,
0.2841

Harmonies

Analogous

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



51.4210, 0.3849, 0.4662



51.4210, 0.3124, 0.4613



51.4210, 0.2439, 0.4022

Triad

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



51.4210, 0.3124, 0.4613



51.4210, 0.1925, 0.2202



51.4210, 0.4413, 0.3182

Complementary

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



51.4210, 0.3124, 0.4613



29.8356, 0.3085, 0.2202

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.



51.4210, 0.3764, 0.2678



51.4210, 0.3124, 0.4613



51.4210, 0.2322, 0.2136

Square

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



51.4210, 0.3124, 0.4613



51.4210, 0.1805, 0.2549



51.4210, 0.2975, 0.2309



51.4210, 0.4651, 0.3744

Rectangle

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



51.4210, 0.3124, 0.4613



51.4210, 0.2097, 0.3471



51.4210, 0.2975, 0.2309



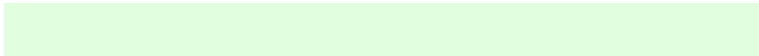
51.4210, 0.4232, 0.3004

Sweetspot

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



51.4232, 0.3124, 0.4613



92.8151, 0.3131, 0.3632



56.1270, 0.3813, 0.4263



19.6308, 0.3132, 0.3696



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.



51.4232, 0.3124, 0.4613



78.1308, 0.3115, 0.4929



51.7999, 0.2850, 0.4086



13.2615, 0.3131, 0.3529



28.2324, 0.3025, 0.5980



1.5982, 0.3100, 0.5921

Inverse Universe

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



29.8356, 0.3085, 0.2202



40.0902, 0.3069, 0.1996



29.5120, 0.3574, 0.2619



11.9471, 0.3122, 0.3060



9.4775, 0.2963, 0.1406



0.5475, 0.3011, 0.1432

Previews

White Background



This preview shows how the Yxy color 51.4210, 0.3124, 0.4613 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 51.4210, 0.3124, 0.4613 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 51.4210, 0.3124, 0.4613

Background



This preview shows how black text looks on a background with the Yxy color 51.4210, 0.3124, 0.4613.

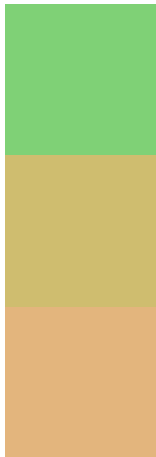


This preview shows how white text looks on a background with the Yxy color 51.4210, 0.3124, 0.4613.

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

51.4210, 0.3124, 0.4613

Protanopia

50.8083, 0.3900, 0.4234

Deuteranopia

50.8593, 0.4016, 0.3935



Tritanopia

51.2629, 0.2644, 0.3079

Trichromacy



Original Color

51.4210, 0.3124, 0.4613



Protanomaly

50.1597, 0.3586, 0.4372



Deuteranomaly

49.7431, 0.3664, 0.4177



Tritanomaly

50.8990, 0.2818, 0.3609

Monochromacy



Original Color

51.4210, 0.3124, 0.4613



Achromatopsia

42.3268, 0.3127, 0.3290



Achromatomaly

45.0418, 0.3130, 0.3759

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.4210, 0.3124, 0.4613 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(127, 209, 118)` looks like.

```
.text, #text, p{  
    color:rgb(127, 209, 118)  
}
```

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(127, 209, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 209, 118) }
```

Border

The CSS property to change the border of an element to Yxy 51.4210, 0.3124, 0.4613 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(127, 209, 118) }
```

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

```
.border{ border-color:rgb(127, 209, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 209, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 209, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 209, 118);  
box-shadow:4px 4px 4px 4px rgb(127, 209,  
118) }
```


Background

The CSS property to change the background color of an element to Yxy 51.4210, 0.3124, 0.4613 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 209, 118) }
```

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

```
.background{ background-color: rgb(127,  
209, 118) }
```

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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