

Converting Colors

$Y_{xy}(46.9091, 0.3770, 0.4712)$

Have a look what the booklet for
Yxy(46.9091, 0.3770, 0.4712)
contains.

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Color

Yxy(46.7550, 0.3770, 0.4714)

Conversions

Conversions Part 1

Format	Color
Hex	ADBF52
RGB	173, 191, 82
RGB Percent	68%, 75%, 32%
CMY	0.3215, 0.2510, 0.6784
CMYK	0.09, 0.00, 0.57, 0.25
HSL	70°, 46%, 54%
HSV	70°, 57%, 75%
XYZ	37.3921, 46.7550, 15.0362
YIQ	173.1920, 24.2610, -37.7150

Conversions

Conversions Part 2

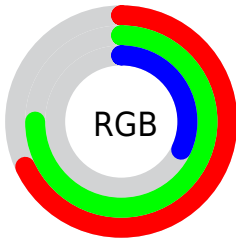
Format	Color
R_{YB}	82, 191, 100
Decimal	11386706
CIE _{Lab}	74.03, -21.70, 51.85
CIE _{LCh}	74, 56.212, 112.714
Yxy	46.7550, 0.3770, 0.4714
Android (android.graphics.Color)	4289576786 (0xFFADBF52)
YUV	173.1920, -44.9577, -0.1684
Hunter-Lab	68.3776, -22.0487, 34.8265

Details

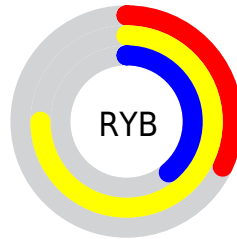
The Yxy color $46.7550, 0.3770, 0.4714$ is a dark color, and the websafe version is hex `CCCC66`. A complement of this color would be $12.5039, 0.2183, 0.1545$, and the grayscale version is $42.1202, 0.3127, 0.3290$.

A 20% lighter version of the original color is $85.0938, 0.3679, 0.4455$, and $22.1124, 0.3867, 0.5099$ is the 20% darker color. If you saturate the color by 10%, you get $46.1509, 0.3841, 0.4914$, and if you desaturate by 10%, it is $47.4528, 0.3679, 0.4484$.

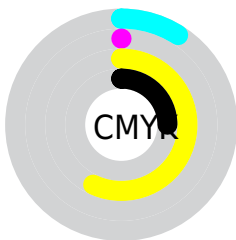
Distribution



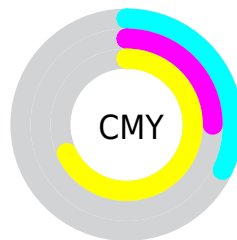
- Red (68%)
- Green (75%)
- Blue (32%)



- Red (32%)
- Yellow (75%)
- Blue (39%)



- Cyan (9%)
- Magenta (0%)
- Yellow (57%)
- Black (25%)





- Cyan (32%)
- Magenta (25%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.7550, 0.3770, 0.4714 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 46.7550, 0.3770, 0.4714 by changing the saturation by 10% instead.

 46.7550, 0.3770,
0.4714

 46.7550, 0.3770,
0.4714


373.8357, 0.3489,
0.3997


 32.8420, 0.3821,
0.4885


 85.3478, 0.3681,
0.4457


 22.0054, 0.3873,
0.5097


 110.7964, 0.3643,
0.4359


 13.8609, 0.3916,
0.5359


 140.8590, 0.3610,
0.4276

 8.0240, 0.3949,
0.5711

 175.9200, 0.3580,
0.4204

 4.1103, 0.3884,
0.6116

 216.3638, 0.3553,
0.4142

 1.7355, 0.3540,
0.6460

262.5747, 0.3529,

 0.4465, 0.0000,

0.4087

1.0000

314.9372, 0.3508,
0.4039

■ 0.0000, 0.0000,
0.0000

■ 46.7550, 0.3770,
0.4714

■ 46.7550, 0.3770,
0.4714

■ 46.1509, 0.3841,
0.4914

■ 47.4528, 0.3679,
0.4484

■ 45.6270, 0.3888,
0.5074

■ 48.2439, 0.3572,
0.4234

■ 45.1775, 0.3910,
0.5191

■ 49.1363, 0.3455,
0.3975

■ 44.7911, 0.3907,
0.5264

■ 50.1348, 0.3334,
0.3715

■ 44.6836, 0.3904,
0.5282

■ 51.2444, 0.3212,
0.3462

■ 52.4694, 0.3093,
0.3221

■ 53.8141, 0.2979,
0.2995

■ 55.2824, 0.2871,
0.2787

■ 56.8781, 0.2771,
0.2597

Harmonies

Analogous

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



46.7550, 0.4383, 0.4366



46.7550, 0.3770, 0.4714



46.7550, 0.3025, 0.4595

Triad

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



46.7550, 0.3770, 0.4714



46.7550, 0.1782, 0.2470



46.7550, 0.3877, 0.2727

Complementary

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



46.7550, 0.3770, 0.4714



12.5039, 0.2183, 0.1545

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.



46.7550, 0.3071, 0.2330



46.7550, 0.3770, 0.4714



46.7550, 0.1940, 0.2158

Square

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



46.7550, 0.3770, 0.4714



46.7550, 0.1913, 0.3095



46.7550, 0.2379, 0.2126



46.7550, 0.4499, 0.3249

Rectangle

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



46.7550, 0.3770, 0.4714



46.7550, 0.2553, 0.4198



46.7550, 0.2379, 0.2126



46.7550, 0.3612, 0.2576

Sweetspot

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



46.7571, 0.3770, 0.4714



89.7566, 0.3336, 0.3720



20.4864, 0.4694, 0.3509



19.6266, 0.3361, 0.3772



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



46.7571, 0.3770, 0.4714



82.4593, 0.3853, 0.4949



41.8734, 0.3309, 0.4962



11.0388, 0.3240, 0.3518



29.3963, 0.3908, 0.5279



1.1730, 0.3981, 0.5221

Inverse Universe

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



12.5039, 0.2183, 0.1545



15.4693, 0.1961, 0.1180



16.5539, 0.2739, 0.1776



9.2989, 0.3009, 0.3055



2.6925, 0.1578, 0.0643



0.1294, 0.1782, 0.0756

Previews

White Background



This preview shows how the Yxy color 46.7550, 0.3770, 0.4714 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 46.7550, 0.3770, 0.4714 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 46.7550, 0.3770, 0.4714

Background



This preview shows how black text looks on a background with the Yxy color 46.7550, 0.3770, 0.4714.



This preview shows how white text looks on a background with the Yxy color 46.7550, 0.3770, 0.4714.

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

46.7550, 0.3770, 0.4714

Protanopia

46.5770, 0.4117, 0.4512

Deuteranopia

46.4226, 0.4337, 0.4247



Tritanopia

46.4495, 0.3060, 0.3099

Trichromacy



Original Color

46.7550, 0.3770, 0.4714

Protanomaly

46.3535, 0.3986, 0.4587

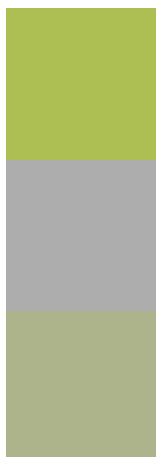
Deuteranomaly

46.2775, 0.4121, 0.4421

Tritanomaly

45.9906, 0.3351, 0.3693

Monochromacy



Original Color

46.7550, 0.3770, 0.4714

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

43.4202, 0.3392, 0.3846

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.7550, 0.3770, 0.4714 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(173, 191, 82)` looks like.

```
.text, #text, p{  
    color:rgb(173, 191, 82)  
}
```

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(173, 191, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 191, 82) }
```

Border

The CSS property to change the border of an element to Yxy 46.7550, 0.3770, 0.4714 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(173, 191, 82) }
```

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

```
.border{ border-color:rgb(173, 191, 82) }
```

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

Here you see how a box with a 4 pixel rgb(173, 191, 82) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 191, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 191, 82);  
box-shadow:4px 4px 4px 4px rgb(173, 191,  
82) }
```


Background

The CSS property to change the background color of an element to Yxy 46.7550, 0.3770, 0.4714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 191, 82) }
```

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

```
.background{ background-color: rgb(173,  
191, 82) }
```

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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