

Converting Colors

$Yxy(46.0042, 0.3145, 0.4759)$

Have a look what the booklet for
Yxy(46.0042, 0.3145, 0.4759)
contains.

Yxy(46.0899, 0.3144, 0.4753)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(46.0899, 0.3144, 0.4753)

Conversions

Conversions Part 1

Format	Color
Hex	75C868
RGB	117, 200, 104
RGB Percent	46%, 78%, 41%
CMY	0.5413, 0.2157, 0.5920
CMYK	0.42, 0.00, 0.48, 0.22
HSL	112°, 47%, 60%
HSV	112°, 48%, 78%
XYZ	30.4874, 46.0899, 20.3928
YIQ	164.2390, -18.6520, -47.4520

Conversions

Conversions Part 2

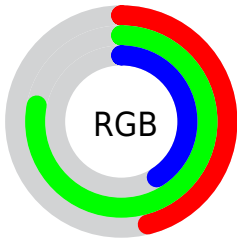
Format	Color
RYB	104, 200, 187
Decimal	7719016
CIELab	73.60, -43.96, 40.06
CIELCh	74, 59.473, 137.655
Yxy	46.0899, 0.3144, 0.4753
Android (android.graphics.Color)	4285909096 (0xFF75C868)
YUV	164.2390, -29.6978, -41.4286
Hunter-Lab	67.8895, -38.6470, 29.7130

Details

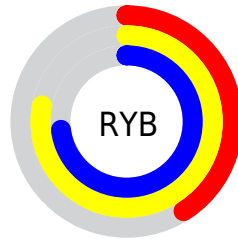
The Yxy color **46.0899, 0.3144, 0.4753** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **24.6492, 0.3040, 0.2088**, and the grayscale version is **37.3942, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8386, 0.3165, 0.4437**, and **21.5092, 0.3087, 0.5221** is the 20% darker color. If you saturate the color by 10%, you get **44.6428, 0.3134, 0.5092**, and if you desaturate by 10%, it is **47.8588, 0.3148, 0.4409**.

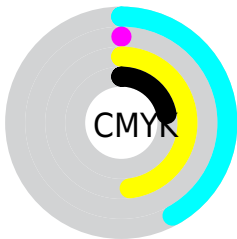
Distribution



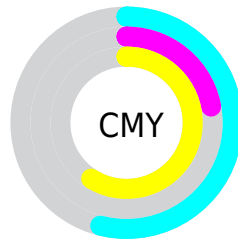
- Red (46%)
- Green (78%)
- Blue (41%)



- Red (41%)
- Yellow (78%)
- Blue (73%)



- Cyan (42%)
- Magenta (0%)
- Yellow (48%)
- Black (22%)





- Cyan (54%)
- Magenta (22%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.0899, 0.3144, 0.4753 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 46.0899, 0.3144, 0.4753 by changing the saturation by 10% instead.


 46.0899, 0.3144,
0.4753

 46.0899, 0.3144,
0.4753


371.1700, 0.3170,
0.3974


 32.3168, 0.3124,
0.4959


 84.3535, 0.3163,
0.4461


 21.6036, 0.3089,
0.5228


 109.6128, 0.3167,
0.4353

 13.5659, 0.3026,
0.5591


 139.4696, 0.3169,
0.4264

 7.8194, 0.2905,
0.6097

 174.3083, 0.3171,
0.4188

 3.9796, 0.2779,
0.7142

214.5133, 0.3171,
0.4123

 1.6621, 0.1774,
0.8226

260.4690, 0.3171,


 0.3990, 0.0000,


0.4067


1.0000

312.5597, 0.3170,
0.4018


 0.0000, 0.0000,
0.0000


 46.0899, 0.3144,
0.4753


 46.0899, 0.3144,
0.4753


 44.6428, 0.3134,
0.5092

 47.8588, 0.3148,
0.4409


 43.4926, 0.3117,
0.5402


 49.9611, 0.3147,
0.4077


 42.6198, 0.3094,
0.5660

 52.4152, 0.3142,
0.3769

 42.0004, 0.3066,
0.5846


 55.2361, 0.3135,
0.3490


 41.6035, 0.3039,
0.5955

 58.4381, 0.3125,
0.3243

 41.5444, 0.3034,
0.5973

 62.0347, 0.3115,
0.3025

 66.0389, 0.3104,
0.2836

 69.7917, 0.3152,
0.2752

Harmonies

Analogous

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



46.0899, 0.3921, 0.4762



46.0899, 0.3144, 0.4753



46.0899, 0.2404, 0.4125

Triad

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



46.0899, 0.3144, 0.4753



46.0899, 0.1830, 0.2129



46.0899, 0.4502, 0.3141

Complementary

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



46.0899, 0.3144, 0.4753



24.6492, 0.3040, 0.2088

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.



46.0899, 0.3781, 0.2613



46.0899, 0.3144, 0.4753



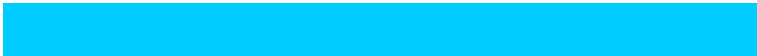
46.0899, 0.2238, 0.2053

Square

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



46.0899, 0.3144, 0.4753



46.0899, 0.1714, 0.2505



46.0899, 0.2926, 0.2228



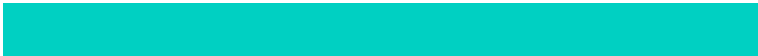
46.0899, 0.4774, 0.3736

Rectangle

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



46.0899, 0.3144, 0.4753



46.0899, 0.2034, 0.3517



46.0899, 0.2926, 0.2228



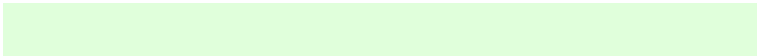
46.0899, 0.4299, 0.2954

Sweetspot

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



46.0919, 0.3144, 0.4753



92.5160, 0.3140, 0.3660



48.2341, 0.3906, 0.4301



19.5805, 0.3141, 0.3723



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.



46.0919, 0.3144, 0.4753



77.0994, 0.3132, 0.5119



46.0805, 0.2859, 0.4260



11.9553, 0.3136, 0.3527



26.4362, 0.3040, 0.5968



1.2747, 0.3148, 0.5883

Inverse Universe

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



24.6492, 0.3040, 0.2088



35.4271, 0.3009, 0.1851



24.9550, 0.3574, 0.2499



10.7413, 0.3117, 0.3061



8.3307, 0.2874, 0.1357



0.4151, 0.2948, 0.1398

Previews

White Background



This preview shows how the Yxy color 46.0899, 0.3144, 0.4753 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 46.0899, 0.3144, 0.4753 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 46.0899, 0.3144, 0.4753

Background



This preview shows how black text looks on a background with the Yxy color 46.0899, 0.3144, 0.4753.



This preview shows how white text looks on a background with the Yxy color 46.0899, 0.3144, 0.4753.

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

46.0899, 0.3144, 0.4753

Protanopia

45.5114, 0.3971, 0.4327

Deuteranopia

45.4045, 0.4092, 0.4018



Tritanopia

45.9891, 0.2631, 0.3083

Trichromacy



Original Color

46.0899, 0.3144, 0.4753



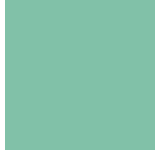
Protanomaly

44.8958, 0.3639, 0.4484



Deuteranomaly

44.3624, 0.3716, 0.4283



Tritanomaly

45.6342, 0.2819, 0.3656

Monochromacy



Original Color

46.0899, 0.3144, 0.4753



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

39.6003, 0.3146, 0.3817

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.0899, 0.3144, 0.4753 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(117, 200, 104)` looks like.

```
.text, #text, p{  
    color:rgb(117, 200, 104)  
}
```

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(117, 200, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 200, 104) }
```

Border

The CSS property to change the border of an element to Yxy 46.0899, 0.3144, 0.4753 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(117, 200, 104) }
```

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

```
.border{ border-color:rgb(117, 200, 104) }
```

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

Here you see how a box with a 4 pixel rgb(117, 200, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 200, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 200, 104);  
box-shadow:4px 4px 4px 4px rgb(117, 200,  
104) }
```


Background

The CSS property to change the background color of an element to Yxy 46.0899, 0.3144, 0.4753 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 200, 104) }
```

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

```
.background{ background-color: rgb(117,  
200, 104) }
```

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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