

Converting Colors

$Y_{xy}(46.6729, 0.2864, 0.4710)$

Have a look what the booklet for
Yxy(46.6729, 0.2864, 0.4710)
contains.

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Color

Yxy(46.6729, 0.2864, 0.4710)

Conversions

Conversions Part 1

Format	Color
Hex	51CD74
RGB	81, 205, 116
RGB Percent	32%, 80%, 45%
CMY	0.6822, 0.1961, 0.5450
CMYK	0.60, 0.00, 0.43, 0.20
HSL	137°, 55%, 56%
HSV	137°, 60%, 80%
XYZ	28.3803, 46.6729, 24.0400
YIQ	157.7780, -45.3350, -53.9670

Conversions

Conversions Part 2

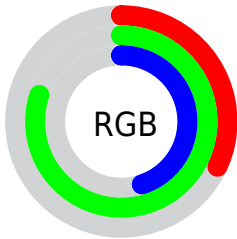
Format	Color
RYB	81, 178, 205
Decimal	5361012
CIELab	73.98, -53.65, 34.26
CIELCh	74, 63.657, 147.441
Yxy	46.6729, 0.2864, 0.4710
Android (android.graphics.Color)	4283551092 (0xFF51CD74)
YUV	157.7780, -20.5966, -67.3343
Hunter-Lab	68.3176, -45.4038, 26.9590

Details

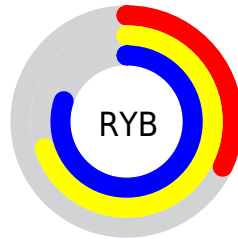
The Yxy color **46.6729, 0.2864, 0.4710** is a dark color, and the websafe version is hex **66CC66**. The color can be described as middle muted spring green. A complement of this color would be **21.7736, 0.3627, 0.2232**, and the grayscale version is **34.2030, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.0473, 0.2928, 0.4348**, and **22.2060, 0.2771, 0.5175** is the 20% darker color. If you saturate the color by 10%, you get **45.5854, 0.2852, 0.4983**, and if you desaturate by 10%, it is **48.0918, 0.2890, 0.4435**.

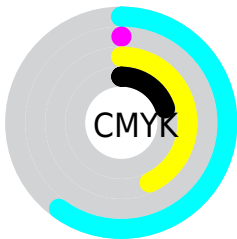
Distribution



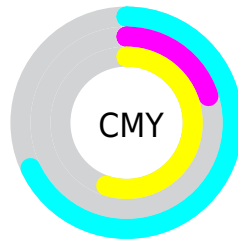
- Red (32%)
- Green (80%)
- Blue (45%)



- Red (32%)
- Yellow (70%)
- Blue (80%)



- Cyan (60%)
- Magenta (0%)
- Yellow (43%)
- Black (20%)



- Cyan (68%)
- Magenta (20%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.6729, 0.2864, 0.4710 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 46.6729, 0.2864, 0.4710 by changing the saturation by 10% instead.


 46.6729, 0.2864,
0.4710

 46.6729, 0.2864,
0.4710


373.5074, 0.3026,
0.3948

 32.7771, 0.2813,
0.4915


 85.2252, 0.2931,
0.4421


 21.9558, 0.2739,
0.5187


 110.6505, 0.2954,
0.4316

 13.8244, 0.2630,
0.5560


 140.6877, 0.2972,
0.4229

 7.9986, 0.2453,
0.6095

 175.7213, 0.2987,
0.4155

 4.0941, 0.2169,
0.6986

216.1357, 0.2999,
0.4092

 1.7263, 0.0854,
0.9146

262.3153, 0.3010,

 0.4406, 0.0000,

0.4037

1.0000

314.6443, 0.3019,
0.3990

■ 0.0000, 0.0000,
0.0000

■ 46.6729, 0.2864,
0.4710

■ 46.6729, 0.2864,
0.4710

■ 45.5854, 0.2852,
0.4983

■ 48.0918, 0.2890,
0.4435

■ 44.7956, 0.2855,
0.5240

■ 49.8612, 0.2927,
0.4168

■ 44.2724, 0.2874,
0.5467

■ 52.0050, 0.2971,
0.3918

■ 43.9661, 0.2902,
0.5649

■ 54.5438, 0.3021,
0.3688

■ 57.4963, 0.3072,
0.3482

■ 60.8803, 0.3125,
0.3298

■ 64.7124, 0.3176,
0.3137

■ 69.0082, 0.3226,
0.2995

■ 71.7282, 0.3196,
0.2862

Harmonies

Analogous

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



46.6729, 0.3697, 0.4925



46.6729, 0.2864, 0.4710



46.6729, 0.2148, 0.3868

Triad

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



46.6729, 0.2864, 0.4710



46.6729, 0.1866, 0.2007



46.6729, 0.4749, 0.3322

Complementary

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



46.6729, 0.2864, 0.4710



21.7736, 0.3627, 0.2232

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.



46.6729, 0.4108, 0.2741



46.6729, 0.2864, 0.4710



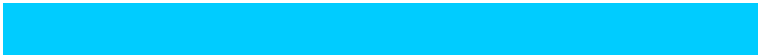
46.6729, 0.2391, 0.2021

Square

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



46.6729, 0.2864, 0.4710



46.6729, 0.1646, 0.2286



46.6729, 0.3199, 0.2281



46.6729, 0.4843, 0.3953

Rectangle

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



46.6729, 0.2864, 0.4710



46.6729, 0.1832, 0.3213



46.6729, 0.3199, 0.2281



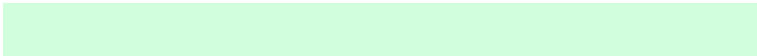
46.6729, 0.4588, 0.3120

Sweetspot

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



46.6748, 0.2864, 0.4710



90.3665, 0.3032, 0.3640



53.0213, 0.3691, 0.4854



19.0555, 0.3017, 0.3704



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.



46.6748, 0.2864, 0.4710



74.1693, 0.2851, 0.5074



48.5511, 0.2537, 0.3724



12.5881, 0.3078, 0.3461



27.3850, 0.2896, 0.5624



1.4259, 0.2783, 0.5220

Inverse Universe

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



21.7736, 0.3627, 0.2232



29.7849, 0.3783, 0.2084



19.9954, 0.4556, 0.2945



11.3477, 0.3180, 0.3125



9.4116, 0.4071, 0.2016



0.4981, 0.3865, 0.1903

Previews

White Background



This preview shows how the Yxy color 46.6729, 0.2864, 0.4710 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 46.6729, 0.2864, 0.4710 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 46.6729, 0.2864, 0.4710

Background



This preview shows how black text looks on a background with the Yxy color 46.6729, 0.2864, 0.4710.



This preview shows how white text looks on a background with the Yxy color 46.6729, 0.2864, 0.4710.

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

46.6729, 0.2864, 0.4710

Protanopia

46.1151, 0.3890, 0.4225

Deuteranopia

45.9413, 0.3964, 0.3883



Tritanopia

46.4249, 0.2449, 0.3064

Trichromacy



Original Color

46.6729, 0.2864, 0.4710



Protanomaly

44.9213, 0.3431, 0.4436



Deuteranomaly

44.2939, 0.3474, 0.4189



Tritanomaly

46.1194, 0.2595, 0.3619

Monochromacy



Original Color

46.6729, 0.2864, 0.4710



Achromatopsia

34.1914, 0.3127, 0.3290



Achromatomaly

37.3889, 0.2993, 0.3795

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.6729, 0.2864, 0.4710 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(81, 205, 116)` looks like.

```
.text, #text, p{  
    color:rgb(81, 205, 116)  
}
```

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(81, 205, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 205, 116) }
```

Border

The CSS property to change the border of an element to Yxy 46.6729, 0.2864, 0.4710 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(81, 205, 116) }
```

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

```
.border{ border-color:rgb(81, 205, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 205, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 205, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 205, 116);  
box-shadow:4px 4px 4px 4px rgb(81, 205,  
116) }
```


Background

The CSS property to change the background color of an element to Yxy 46.6729, 0.2864, 0.4710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 205, 116) }
```

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

```
.background{ background-color: rgb(81, 205,  
116) }
```

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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