

Converting Colors

Yxy(46.4404, 0.3409, 0.5673)

Have a look what the booklet for
Yxy(46.4404, 0.3409, 0.5673)
contains.

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Color

Yxy(46.4391, 0.3409, 0.5673)

Conversions

Conversions Part 1

Format	Color
Hex	6DCC01
RGB	109, 204, 1
RGB Percent	43%, 80%, 0%
CMY	0.5725, 0.2000, 0.9969
CMYK	0.47, 0.00, 1.00, 0.20
HSL	88°, 99%, 40%
HSV	88°, 100%, 80%
XYZ	27.9060, 46.4391, 7.5147
YIQ	152.4530, 8.5430, -83.2730

Conversions

Conversions Part 2

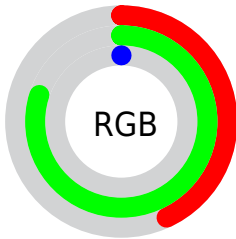
Format	Color
RYB	1, 204, 96
Decimal	7195649
CIELab	73.83, -54.88, 72.84
CIELCh	74, 91.199, 126.993
Yxy	46.4391, 0.3409, 0.5673
Android (android.graphics.Color)	4285385729 (0xFF6DCC01)
YUV	152.4530, -74.6663, -38.1083
Hunter-Lab	68.1462, -46.1598, 41.1642

Details

The Yxy color **46.4391, 0.3409, 0.5673** is a dark color, and the websafe version is hex **66CC00**. The color can be described as dark washed chartreuse. A complement of this color would be **6.8509, 0.1959, 0.0854**, and the grayscale version is **31.9254, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.5795, 0.3460, 0.5193**, and **22.0304, 0.3147, 0.5883** is the 20% darker color. If you saturate the color by 10%, you get **46.4161, 0.3407, 0.5677**, and if you desaturate by 10%, it is **47.1323, 0.3457, 0.5566**.

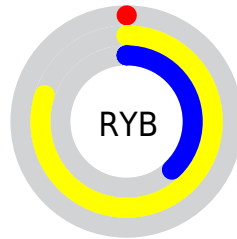
Distribution



Red (43%)

Green (80%)

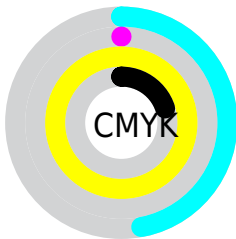
Blue (0%)



Red (0%)

Yellow (80%)

Blue (38%)

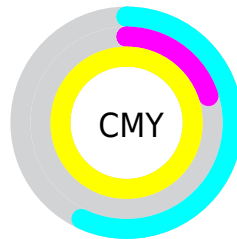


Cyan (47%)

Magenta (0%)

Yellow (100%)

Black (20%)



Cyan (57%)


Magenta (20%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.4391, 0.3409, 0.5673 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 46.4391, 0.3409, 0.5673 by changing the saturation by 10% instead.

 46.4391, 0.3409,
0.5673

 46.4391, 0.3409,
0.5673


372.5712, 0.3389,
0.4444


 32.5925, 0.3363,
0.5959


 84.8758, 0.3438,
0.5234


 21.8144, 0.3275,
0.6302


 110.2346, 0.3437,
0.5066

 13.7206, 0.3138,
0.6768


 140.1996, 0.3433,
0.4922

 7.9266, 0.2817,
0.7183

 175.1552, 0.3425,
0.4799

 4.0480, 0.2304,
0.7696

 215.4857, 0.3417,
0.4692

 1.7005, 0.0636,
0.9364

 261.5756, 0.3407,

 0.4240, 0.0000,

0.4599

1.0000

313.8093, 0.3398,
0.4517

■ 0.0000, 0.0000,
0.0000

■ 46.4391, 0.3409,
0.5673

■ 46.4391, 0.3409,
0.5673

■ 46.4161, 0.3407,
0.5677

■ 47.1323, 0.3457,
0.5566

■ 47.9473, 0.3488,
0.5409

■ 48.9059, 0.3496,
0.5200

■ 50.0198, 0.3482,
0.4949

■ 51.2993, 0.3448,
0.4670

■ 52.7535, 0.3398,
0.4377

■ 54.3906, 0.3337,
0.4083

■ 56.2183, 0.3268,
0.3798

■ 58.2439, 0.3197,
0.3530

Harmonies

Analogous

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



46.4391, 0.4469, 0.5130



46.4391, 0.3409, 0.5673



46.4391, 0.2338, 0.5119

Triad

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



46.4391, 0.3409, 0.5673



46.4391, 0.1247, 0.1753



46.4391, 0.4882, 0.2735

Complementary

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



46.4391, 0.3409, 0.5673



6.8509, 0.1959, 0.0854

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.



46.4391, 0.3613, 0.2110



46.4391, 0.3409, 0.5673



46.4391, 0.1625, 0.1571

Square

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



46.4391, 0.3409, 0.5673



46.4391, 0.1207, 0.2373



46.4391, 0.2408, 0.1702



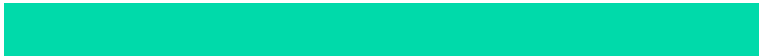
46.4391, 0.5521, 0.3464

Rectangle

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



46.4391, 0.3409, 0.5673



46.4391, 0.1760, 0.4139



46.4391, 0.2408, 0.1702



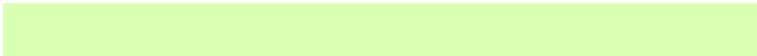
46.4391, 0.4496, 0.2510

Sweetspot

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



46.4411, 0.3409, 0.5673



89.8526, 0.3342, 0.4106



21.1360, 0.5507, 0.4006



18.9784, 0.3369, 0.4231



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.



46.4411, 0.3409, 0.5673



76.7389, 0.3398, 0.5684



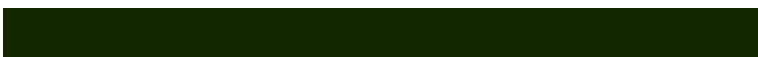
43.2373, 0.3006, 0.5992



12.8261, 0.3195, 0.3524



29.2701, 0.3417, 0.5669



1.5549, 0.3562, 0.5554

Inverse Universe

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



6.8509, 0.1959, 0.0854



11.1549, 0.1942, 0.0844



16.2780, 0.3126, 0.1497



11.0967, 0.3054, 0.3056



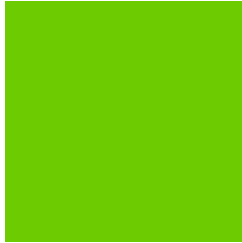
4.3414, 0.1969, 0.0858



0.2690, 0.2190, 0.0980

Previews

White Background



This preview shows how the Yxy color 46.4391, 0.3409, 0.5673 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 46.4391, 0.3409, 0.5673 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 46.4391, 0.3409, 0.5673

Background



This preview shows how black text looks on a background with the Yxy color 46.4391, 0.3409, 0.5673.



This preview shows how white text looks on a background with the Yxy color 46.4391, 0.3409, 0.5673.

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

46.4391, 0.3409, 0.5673

Protanopia

45.7443, 0.4399, 0.4889

Deuteranopia

45.6168, 0.4632, 0.4530



Tritanopia

46.3856, 0.2621, 0.3083

Trichromacy



Original Color

46.4391, 0.3409, 0.5673



Protanomaly

44.8302, 0.4008, 0.5199



Deuteranomaly

44.1319, 0.4165, 0.4983



Tritanomaly

45.1045, 0.3045, 0.4263

Monochromacy



Original Color

46.4391, 0.3409, 0.5673



Achromatopsia

31.3989, 0.3127, 0.3290



Achromatomaly

35.2231, 0.3411, 0.4471

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.4391, 0.3409, 0.5673 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(109, 204, 1)` looks like.

```
.text, #text, p{  
    color:rgb(109, 204, 1)  
}
```

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(109, 204, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 204, 1) }
```

Border

The CSS property to change the border of an element to Yxy 46.4391, 0.3409, 0.5673 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(109, 204, 1) }
```

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

```
.border{ border-color:rgb(109, 204, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 204, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 204, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 204, 1);  
box-shadow:4px 4px 4px 4px rgb(109, 204,  
1) }
```


Background

The CSS property to change the background color of an element to Yxy 46.4391, 0.3409, 0.5673 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 204, 1) }
```

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

```
.background{ background-color: rgb(109,  
204, 1) }
```

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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