

Converting Colors

Yxy(46.4022, 0.3400, 0.5520)

Have a look what the booklet for
Yxy(46.4022, 0.3400, 0.5520)
contains.

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Color

Yxy(46.4106, 0.3403, 0.5522)

Conversions

Conversions Part 1

Format	Color
Hex	72CB23
RGB	114, 203, 35
RGB Percent	45%, 80%, 14%
CMY	0.5528, 0.2039, 0.8630
CMYK	0.44, 0.00, 0.83, 0.20
HSL	92°, 71%, 47%
HSV	92°, 83%, 80%
XYZ	28.6011, 46.4106, 9.0350
YIQ	157.2370, 0.8840, -71.1160

Conversions

Conversions Part 2

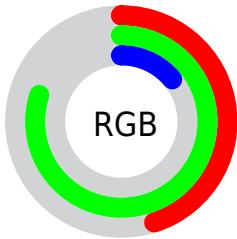
Format	Color
RYB	35, 203, 124
Decimal	7523107
CIELab	73.81, -52.06, 67.61
CIELCh	74, 85.333, 127.596
Yxy	46.4106, 0.3403, 0.5522
Android (android.graphics.Color)	4285713187 (0xFF72CB23)
YUV	157.2370, -60.2628, -37.9188
Hunter-Lab	68.1253, -44.2795, 39.8245

Details

The Yxy color **46.4106, 0.3403, 0.5522** is a dark color, and the websafe version is hex **66CC33**. The color can be described as dark muted chartreuse. A complement of this color would be **9.7877, 0.2266, 0.1127**, and the grayscale version is **34.1071, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.2488, 0.3440, 0.5072**, and **21.9099, 0.3201, 0.5841** is the 20% darker color. If you saturate the color by 10%, you get **45.6460, 0.3361, 0.5668**, and if you desaturate by 10%, it is **47.3335, 0.3425, 0.5319**.

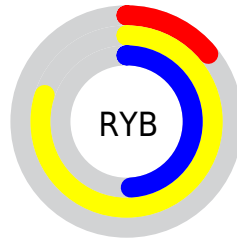
Distribution



Red (45%)

Green (80%)

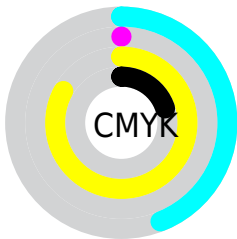
Blue (14%)



Red (14%)

Yellow (80%)

Blue (49%)

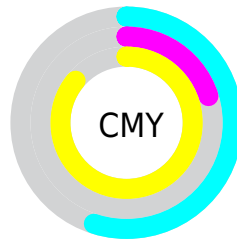


Cyan (44%)

Magenta (0%)

Yellow (83%)

Black (20%)



Cyan (55%)


Magenta (20%)


Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.4106, 0.3403, 0.5522 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 46.4106, 0.3403, 0.5522 by changing the saturation by 10% instead.


 46.4106, 0.3403,
0.5522


 46.4106, 0.3403,
0.5522


372.4569, 0.3366,
0.4363


 32.5700, 0.3369,
0.5800


 84.8332, 0.3420,
0.5104


 21.7972, 0.3300,
0.6138


 110.1839, 0.3417,
0.4944

 13.7080, 0.3171,
0.6564


 140.1401, 0.3410,
0.4810

 7.9178, 0.2924,
0.7076

 175.0861, 0.3402,
0.4694

 4.0424, 0.2432,
0.7568

 215.4064, 0.3393,
0.4594

 1.6973, 0.0970,
0.9030

 261.4854, 0.3384,


 0.4219, 0.0000,


0.4507

1.0000


313.7075, 0.3375,
0.4431

 0.0000, 0.0000,
0.0000


 46.4106, 0.3403,
0.5522


 46.4106, 0.3403,
0.5522


 45.6460, 0.3361,
0.5668

 47.3335, 0.3425,
0.5319

 45.1740, 0.3323,
0.5744

 48.4219, 0.3426,
0.5069

 49.6894, 0.3407,
0.4787

 51.1459, 0.3371,
0.4487

 52.8008, 0.3323,
0.4185

■ 54.6626, 0.3267,
0.3891

■ 56.7392, 0.3207,
0.3614

■ 59.0381, 0.3145,
0.3358

■ 61.5664, 0.3083,
0.3124

Harmonies

Analogous

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



46.4106, 0.4412, 0.5072



46.4106, 0.3403, 0.5522



46.4106, 0.2379, 0.4959

Triad

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



46.4106, 0.3403, 0.5522



46.4106, 0.1334, 0.1826



46.4106, 0.4793, 0.2788

Complementary

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



46.4106, 0.3403, 0.5522



9.7877, 0.2266, 0.1127

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.



46.4106, 0.3615, 0.2180



46.4106, 0.3403, 0.5522



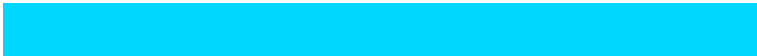
46.4106, 0.1709, 0.1650

Square

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



46.4106, 0.3403, 0.5522



46.4106, 0.1293, 0.2420



46.4106, 0.2471, 0.1781



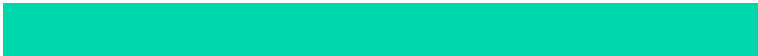
46.4106, 0.5388, 0.3498

Rectangle

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



46.4106, 0.3403, 0.5522



46.4106, 0.1828, 0.4056



46.4106, 0.2471, 0.1781



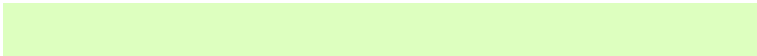
46.4106, 0.4436, 0.2569

Sweetspot

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



46.4126, 0.3403, 0.5522



90.7046, 0.3282, 0.3965



26.6798, 0.5010, 0.4195



19.1751, 0.3302, 0.4069



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.



46.4126, 0.3403, 0.5522



75.6169, 0.3319, 0.5742



43.2064, 0.3003, 0.5794



12.7915, 0.3186, 0.3525



28.8017, 0.3333, 0.5736



1.5309, 0.3486, 0.5614

Inverse Universe

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



9.7877, 0.2266, 0.1127



12.5252, 0.2073, 0.0919



18.0742, 0.3240, 0.1641



11.1314, 0.3064, 0.3056



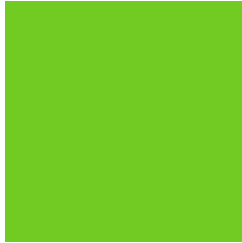
4.8061, 0.2089, 0.0925



0.2929, 0.2298, 0.1039

Previews

White Background



This preview shows how the Yxy color 46.4106, 0.3403, 0.5522 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 46.4106, 0.3403, 0.5522 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 46.4106, 0.3403, 0.5522

Background



This preview shows how black text looks on a background with the Yxy color 46.4106, 0.3403, 0.5522.



This preview shows how white text looks on a background with the Yxy color 46.4106, 0.3403, 0.5522.

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

46.4106, 0.3403, 0.5522

Protanopia

45.8330, 0.4354, 0.4823

Deuteranopia

45.5425, 0.4578, 0.4479



Tritanopia

46.1581, 0.2644, 0.3084

Trichromacy



Original Color

46.4106, 0.3403, 0.5522



Protanomaly

45.1520, 0.3980, 0.5099



Deuteranomaly

44.3785, 0.4114, 0.4877



Tritanomaly

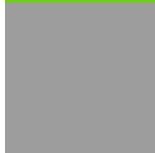
45.2339, 0.2987, 0.4057

Monochromacy



Original Color

46.4106, 0.3403, 0.5522



Achromatopsia

33.7164, 0.3127, 0.3290



Achromatomaly

37.1271, 0.3326, 0.4244

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.4106, 0.3403, 0.5522 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(114, 203, 35)` looks like.

```
.text, #text, p{  
    color:rgb(114, 203, 35)  
}
```

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(114, 203, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 203, 35) }
```

Border

The CSS property to change the border of an element to Yxy 46.4106, 0.3403, 0.5522 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(114, 203, 35) }
```

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

```
.border{ border-color:rgb(114, 203, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 203, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 203, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 203, 35);  
box-shadow:4px 4px 4px 4px rgb(114, 203,  
35) }
```


Background

The CSS property to change the background color of an element to Yxy 46.4106, 0.3403, 0.5522 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 203, 35) }
```

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

```
.background{ background-color: rgb(114,  
203, 35) }
```

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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