

Converting Colors

$Yxy(42.0409, 0.3137, 0.4466)$

Have a look what the booklet for
Yxy(42.0409, 0.3137, 0.4466)
contains.

Yxy(41.8211, 0.3139, 0.4465)	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(41.8211, 0.3139, 0.4465)

Conversions

Conversions Part 1

Format	Color
Hex	7BBD72
RGB	123, 189, 114
RGB Percent	48%, 74%, 45%
CMY	0.5177, 0.2588, 0.5529
CMYK	0.35, 0.00, 0.40, 0.26
HSL	113°, 36%, 59%
HSV	113°, 40%, 74%
XYZ	29.4012, 41.8211, 22.4420
YIQ	160.7160, -15.2610, -37.3170

Conversions

Conversions Part 2

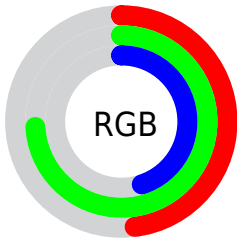
Format	Color
RYB	114, 189, 180
Decimal	8109426
CIELab	70.75, -35.76, 31.42
CIELCh	71, 47.605, 138.691
Yxy	41.8211, 0.3139, 0.4465
Android (android.graphics.Color)	4286299506 (0xFF7BBD72)
YUV	160.7160, -23.0310, -33.0769
Hunter-Lab	64.6692, -32.0179, 24.6932

Details

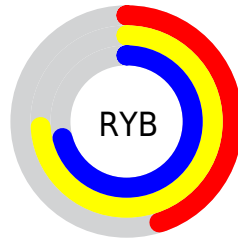
The Yxy color **41.8211, 0.3139, 0.4465** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **25.4158, 0.3074, 0.2296**, and the grayscale version is **35.6151, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.1665, 0.3150, 0.4224**, and **19.0117, 0.3099, 0.4852** is the 20% darker color. If you saturate the color by 10%, you get **40.3117, 0.3132, 0.4810**, and if you desaturate by 10%, it is **43.6315, 0.3141, 0.4130**.

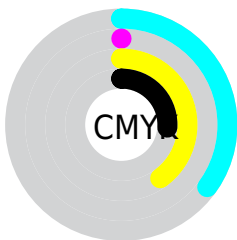
Distribution



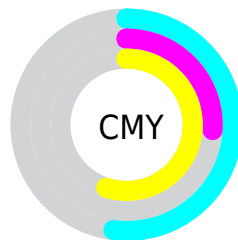
- Red (48%)
- Green (74%)
- Blue (45%)



- Red (45%)
- Yellow (74%)
- Blue (71%)



- Cyan (35%)
- Magenta (0%)
- Yellow (40%)
- Black (26%)





- Cyan (52%)
- Magenta (26%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.8211, 0.3139, 0.4465 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 41.8211, 0.3139, 0.4465 by changing the saturation by 10% instead.


 41.8211, 0.3139,
0.4465


 41.8211, 0.3139,
0.4465

353.7408, 0.3155,
0.3834


 28.9612, 0.3126,
0.4636


 77.9288, 0.3151,
0.4226

 19.0515, 0.3104,
0.4862


 101.9454, 0.3153,
0.4139

 11.7075, 0.3062,
0.5176


 130.4497, 0.3155,
0.4066

 6.5448, 0.2978,
0.5630

163.8262, 0.3155,
0.4005

 3.1791, 0.2871,
0.6507

202.4591, 0.3155,
0.3953

 1.2259, 0.1738,
0.8262

246.7329, 0.3155,

 0.0827, 0.0000,

0.3908

1.0000

297.0320, 0.3155,
0.3869

■ 0.0000, 0.0000,
0.0000

■ 41.8211, 0.3139,
0.4465

■ 41.8211, 0.3139,
0.4465

■ 40.3117, 0.3132,
0.4810

■ 43.6315, 0.3141,
0.4130

■ 39.0819, 0.3120,
0.5146

■ 45.7525, 0.3139,
0.3818

■ 38.1159, 0.3102,
0.5450


■ 48.1996, 0.3134,
0.3535

■ 37.3941, 0.3080,
0.5698

■ 50.9858, 0.3127,
0.3283

■ 36.8941, 0.3054,
0.5872

■ 54.1235, 0.3119,
0.3061

 36.5836, 0.3030,
0.5973

 57.6243, 0.3110,
0.2868

 36.5762, 0.3030,
0.5976

 61.4994, 0.3102,
0.2701

 64.8783, 0.3157,
0.2644

Harmonies

Analogous

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



41.8211, 0.3796, 0.4525



41.8211, 0.3139, 0.4465



41.8211, 0.2514, 0.3946

Triad

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



41.8211, 0.3139, 0.4465



41.8211, 0.2030, 0.2304



41.8211, 0.4279, 0.3199

Complementary

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



41.8211, 0.3139, 0.4465



25.4158, 0.3074, 0.2296

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.



41.8211, 0.3698, 0.2733



41.8211, 0.3139, 0.4465



41.8211, 0.2396, 0.2236

Square

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



41.8211, 0.3139, 0.4465



41.8211, 0.1921, 0.2630



41.8211, 0.2991, 0.2393



41.8211, 0.4500, 0.3717

Rectangle

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



41.8211, 0.3139, 0.4465



41.8211, 0.2198, 0.3462



41.8211, 0.2991, 0.2393



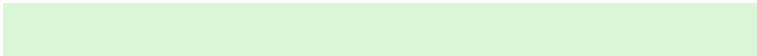
41.8211, 0.4116, 0.3034

Sweetspot

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



41.8229, 0.3139, 0.4465



85.1629, 0.3135, 0.3603



44.2775, 0.3760, 0.4147



18.1883, 0.3136, 0.3639



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



41.8229, 0.3139, 0.4465



72.4187, 0.3133, 0.4778



41.9139, 0.2889, 0.4038



10.7029, 0.3133, 0.3526



24.6256, 0.3034, 0.5973



0.9829, 0.3146, 0.5884

Inverse Universe

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



25.4158, 0.3074, 0.2296



38.7799, 0.3054, 0.2080



25.4457, 0.3487, 0.2650



9.6367, 0.3119, 0.3063



7.9757, 0.2912, 0.1378



0.3290, 0.2988, 0.1420

Previews

White Background



This preview shows how the Yxy color 41.8211, 0.3139, 0.4465 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 41.8211, 0.3139, 0.4465 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

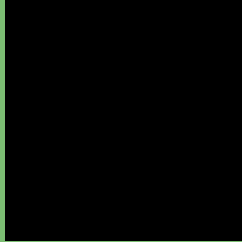
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.8211, 0.3139, 0.4465

Background



This preview shows how black text looks on a background with the Yxy color 41.8211, 0.3139, 0.4465.



This preview shows how white text looks on a background with the Yxy color 41.8211, 0.3139, 0.4465.

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

41.8211, 0.3139, 0.4465

Protanopia

41.2580, 0.3843, 0.4156

Deuteranopia

41.3881, 0.3945, 0.3860



Tritanopia

41.4536, 0.2684, 0.3076

Trichromacy



Original Color

41.8211, 0.3139, 0.4465



Protanomaly

40.8591, 0.3556, 0.4267



Deuteranomaly

40.8102, 0.3623, 0.4072



Tritanomaly

41.4891, 0.2851, 0.3559

Monochromacy



Original Color

41.8211, 0.3139, 0.4465



Achromatopsia

35.6400, 0.3127, 0.3290



Achromatomaly

37.3425, 0.3135, 0.3701

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.8211, 0.3139, 0.4465 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(123, 189, 114)` looks like.

```
.text, #text, p{  
    color:rgb(123, 189, 114)  
}
```

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(123, 189, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 189, 114) }
```

Border

The CSS property to change the border of an element to Yxy 41.8211, 0.3139, 0.4465 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(123, 189, 114) }
```

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

```
.border{ border-color:rgb(123, 189, 114) }
```

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

Here you see how a box with a 4 pixel rgb(123, 189, 114) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 189, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 189, 114);  
box-shadow:4px 4px 4px 4px rgb(123, 189,  
114) }
```


Background

The CSS property to change the background color of an element to Yxy 41.8211, 0.3139, 0.4465 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 189, 114) }
```

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

```
.background{ background-color: rgb(123,  
189, 114) }
```

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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