

Converting Colors

$Yxy(46.8764, 0.3352, 0.4527)$

Have a look what the booklet for
Yxy(46.8764, 0.3352, 0.4527)
contains.

Yxy(46.9015, 0.3355, 0.4525)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(46.9015, 0.3355, 0.4525)

Conversions

Conversions Part 1

Format	Color
Hex	94C46E
RGB	148, 196, 110
RGB Percent	58%, 77%, 43%
CMY	0.4194, 0.2314, 0.5686
CMYK	0.24, 0.00, 0.44, 0.23
HSL	93°, 42%, 60%
HSV	93°, 44%, 77%
XYZ	34.7745, 46.9015, 21.9737
YIQ	171.8440, -1.0020, -36.9220

Conversions

Conversions Part 2

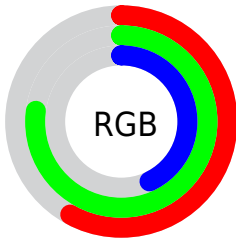
Format	Color
RYB	110, 196, 158
Decimal	9749614
CIELab	74.13, -30.87, 38.08
CIELCh	74, 49.017, 129.028
Yxy	46.9015, 0.3355, 0.4525
Android (android.graphics.Color)	4287939694 (0xFF94C46E)
YUV	171.8440, -30.4891, -20.9112
Hunter-Lab	68.4847, -29.2112, 28.9157

Details

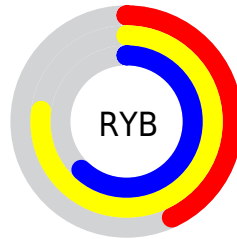
The Yxy color **46.9015, 0.3355, 0.4525** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **22.4028, 0.2769, 0.2093**, and the grayscale version is **41.3356, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.7323, 0.3331, 0.4285**, and **22.1051, 0.3376, 0.4906** is the 20% darker color. If you saturate the color by 10%, you get **45.5509, 0.3385, 0.4827**, and if you desaturate by 10%, it is **48.4468, 0.3313, 0.4220**.

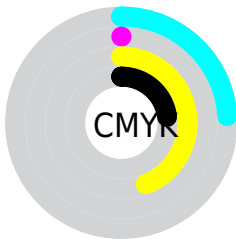
Distribution



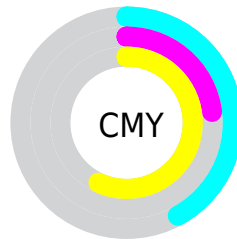
- Red (58%)
- Green (77%)
- Blue (43%)



- Red (43%)
- Yellow (77%)
- Blue (62%)



- Cyan (24%)
- Magenta (0%)
- Yellow (44%)
- Black (23%)





- Cyan (42%)
- Magenta (23%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.9015, 0.3355, 0.4525 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 46.9015, 0.3355, 0.4525 by changing the saturation by 10% instead.


 46.9015, 0.3355,
0.4525

 46.9015, 0.3355,
0.4525


374.4212, 0.3266,
0.3881


 32.9578, 0.3367,
0.4691


 85.5666, 0.3330,
0.4286

 22.0941, 0.3376,
0.4907


 111.0567, 0.3318,
0.4198

 13.9261, 0.3374,
0.5194


 141.1645, 0.3307,
0.4123

 8.0693, 0.3345,
0.5589

 176.2743, 0.3297,
0.4060

 4.1393, 0.3322,
0.6303

216.7704, 0.3288,
0.4006

 1.7518, 0.2950,
0.7050

263.0374, 0.3280,

 0.4569, 0.0000,

0.3959

1.0000

315.4595, 0.3272,
0.3917

0.0000, 0.0000,
0.0000

46.9015, 0.3355,
0.4525

46.9015, 0.3355,
0.4525

45.5509, 0.3385,
0.4827

48.4468, 0.3313,
0.4220

44.3799, 0.3398,
0.5112

50.1891, 0.3262,
0.3923

43.3808, 0.3392,
0.5362


52.1379, 0.3207,
0.3643


42.5425, 0.3366,
0.5563


54.3006, 0.3149,
0.3384


41.8522, 0.3321,
0.5705


56.6841, 0.3092,
0.3148

 41.4894, 0.3289,
0.5771

 59.2949, 0.3036,
0.2936

 62.1393, 0.2983,
0.2747

 64.4395, 0.3010,
0.2686

 66.3620, 0.3090,
0.2701

Harmonies

Analogous

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



46.9015, 0.3978, 0.4444



46.9015, 0.3355, 0.4525



46.9015, 0.2705, 0.4145

Triad

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



46.9015, 0.3355, 0.4525



46.9015, 0.1975, 0.2387



46.9015, 0.4113, 0.3042

Complementary

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



46.9015, 0.3355, 0.4525



22.4028, 0.2769, 0.2093

Split Complementary

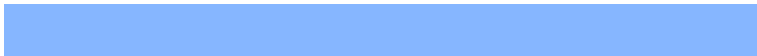
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



46.9015, 0.3468, 0.2612



46.9015, 0.3355, 0.4525



46.9015, 0.2258, 0.2240

Square

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



46.9015, 0.3355, 0.4525



46.9015, 0.1952, 0.2799



46.9015, 0.2782, 0.2327



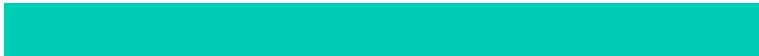
46.9015, 0.4464, 0.3548

Rectangle

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



46.9015, 0.3355, 0.4525



46.9015, 0.2344, 0.3696



46.9015, 0.2782, 0.2327



46.9015, 0.3919, 0.2887

Sweetspot

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



46.9035, 0.3355, 0.4525



94.7075, 0.3203, 0.3625



37.0764, 0.3980, 0.3916



20.0935, 0.3216, 0.3686



0.0000, 0.0000, 0.0000



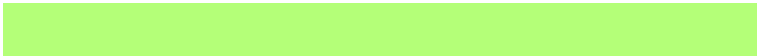
21.4041, 0.3127, 0.3290

Same Dimension

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



46.9035, 0.3355, 0.4525



82.5335, 0.3385, 0.4826



44.0142, 0.3038, 0.4575



11.4720, 0.3181, 0.3523



26.7102, 0.3299, 0.5763



1.1948, 0.3479, 0.5620

Inverse Universe

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



22.4028, 0.2769, 0.2093



32.2459, 0.2659, 0.1813



26.6808, 0.3223, 0.2274



10.0186, 0.3069, 0.3058



4.7130, 0.2150, 0.0958



0.2439, 0.2381, 0.1085

Previews

White Background



This preview shows how the Yxy color 46.9015, 0.3355, 0.4525 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 46.9015, 0.3355, 0.4525 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

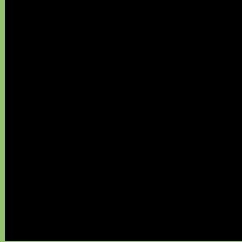
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.9015, 0.3355, 0.4525

Background



This preview shows how black text looks on a background with the Yxy color 46.9015, 0.3355, 0.4525.



This preview shows how white text looks on a background with the Yxy color 46.9015, 0.3355, 0.4525.

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

46.9015, 0.3355, 0.4525

Protanopia

46.6179, 0.3910, 0.4255

Deuteranopia

46.5700, 0.4065, 0.3990



Tritanopia

46.9693, 0.2834, 0.3104

Trichromacy



Original Color

46.9015, 0.3355, 0.4525

Protanomaly

46.3055, 0.3691, 0.4355

Deuteranomaly

45.9856, 0.3791, 0.4181

Tritanomaly

46.7850, 0.3032, 0.3610

Monochromacy



Original Color

46.9015, 0.3355, 0.4525

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

43.0042, 0.3227, 0.3745

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.9015, 0.3355, 0.4525 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(148, 196, 110)` looks like.

```
.text, #text, p{  
    color:rgb(148, 196, 110)  
}
```

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(148, 196, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 196, 110) }
```

Border

The CSS property to change the border of an element to Yxy 46.9015, 0.3355, 0.4525 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(148, 196, 110) }
```

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

```
.border{ border-color:rgb(148, 196, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 196, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 196, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 196, 110);  
box-shadow:4px 4px 4px 4px rgb(148, 196,  
110) }
```


Background

The CSS property to change the background color of an element to Yxy 46.9015, 0.3355, 0.4525 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 196, 110) }
```

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

```
.background{ background-color: rgb(148,  
196, 110) }
```

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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