

Converting Colors

$Yxy(46.6478, 0.3126, 0.4246)$

Have a look what the booklet for
Yxy(46.6478, 0.3126, 0.4246)
contains.

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Color

Yxy(46.4642, 0.3120, 0.4236)

Conversions

Conversions Part 1

Format	Color
Hex	89C484
RGB	137, 196, 132
RGB Percent	54%, 77%, 52%
CMY	0.4627, 0.2314, 0.4823
CMYK	0.30, 0.00, 0.33, 0.23
HSL	115°, 35%, 64%
HSV	115°, 33%, 77%
XYZ	34.2229, 46.4642, 29.0017
YIQ	171.0630, -14.6200, -32.4120

Conversions

Conversions Part 2

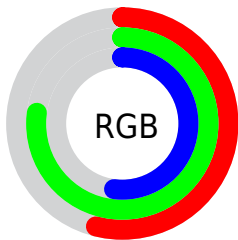
Format	Color
RYB	132, 196, 191
Decimal	9028740
CIELab	73.85, -31.56, 26.22
CIELCh	74, 41.030, 140.272
Yxy	46.4642, 0.3120, 0.4236
Android (android.graphics.Color)	4287218820 (0xFF89C484)
YUV	171.0630, -19.2581, -29.8733
Hunter-Lab	68.1647, -29.6700, 22.4894

Details

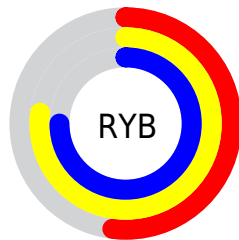
The Yxy color **46.4642, 0.3120, 0.4236** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **31.5730, 0.3114, 0.2476**, and the grayscale version is **40.8642, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.0022, 0.3128, 0.4045**, and **21.8865, 0.3097, 0.4536** is the 20% darker color. If you saturate the color by 10%, you get **44.5772, 0.3112, 0.4580**, and if you desaturate by 10%, it is **48.7118, 0.3125, 0.3912**.

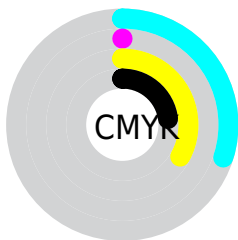
Distribution



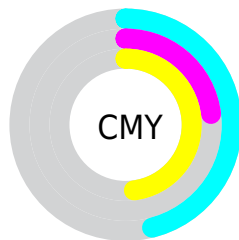
- Red (54%)
- Green (77%)
- Blue (52%)



- Red (52%)
- Yellow (77%)
- Blue (75%)



- Cyan (30%)
- Magenta (0%)
- Yellow (33%)
- Black (23%)



- Cyan (46%)
- Magenta (23%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.4642, 0.3120, 0.4236 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 46.4642, 0.3120, 0.4236 by changing the saturation by 10% instead.


 46.4642, 0.3120,
0.4236

 46.4642, 0.3120,
0.4236


372.6718, 0.3137,
0.3739


 32.6123, 0.3111,
0.4367


 84.9133, 0.3130,
0.4050

 21.8296, 0.3095,
0.4539


 110.2793, 0.3133,
0.3982

 13.7317, 0.3068,
0.4775


 140.2520, 0.3134,
0.3925

 7.9343, 0.3018,
0.5114

175.2160, 0.3136,
0.3876

 4.0530, 0.2913,
0.5636

215.5556, 0.3136,
0.3835

 1.7032, 0.2873,
0.7127

261.6551, 0.3137,

 0.4257, 0.0000,

0.3799

1.0000

313.8990, 0.3137,
0.3767

0.0000, 0.0000,
0.0000

46.4642, 0.3120,
0.4236

46.4642, 0.3120,
0.4236

44.5772, 0.3112,
0.4580

48.7118, 0.3125,
0.3912

43.0265, 0.3100,
0.4930

51.3312, 0.3127,
0.3617

41.7940, 0.3085,
0.5263


54.3403, 0.3127,
0.3354

40.8576, 0.3067,
0.5555

57.7542, 0.3126,
0.3123

40.1922, 0.3047,
0.5780

61.5870, 0.3124,
0.2923

 39.7686, 0.3027,
0.5925

 65.8524, 0.3121,
0.2750

 39.5846, 0.3016,
0.5987

 67.9608, 0.3154,
0.2712

Harmonies

Analogous

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



46.4642, 0.3675, 0.4326



46.4642, 0.3120, 0.4236



46.4642, 0.2594, 0.3800

Triad

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



46.4642, 0.3120, 0.4236



46.4642, 0.2205, 0.2449



46.4642, 0.4102, 0.3248

Complementary

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



46.4642, 0.3120, 0.4236



31.5730, 0.3114, 0.2476

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.



46.4642, 0.3635, 0.2839



46.4642, 0.3120, 0.4236



46.4642, 0.2535, 0.2394

Square

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



46.4642, 0.3120, 0.4236



46.4642, 0.2099, 0.2725



46.4642, 0.3049, 0.2536



46.4642, 0.4274, 0.3695

Rectangle

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



46.4642, 0.3120, 0.4236



46.4642, 0.2329, 0.3409



46.4642, 0.3049, 0.2536



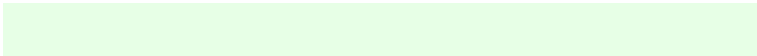
46.4642, 0.3973, 0.3104

Sweetspot

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



46.4662, 0.3120, 0.4236



94.2750, 0.3127, 0.3549



50.5207, 0.3633, 0.4035



20.0193, 0.3127, 0.3588



0.0000, 0.0000, 0.0000



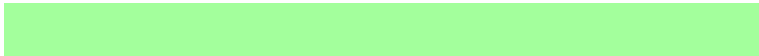
21.4041, 0.3127, 0.3290

Same Dimension

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



46.4662, 0.3120, 0.4236



81.7228, 0.3115, 0.4475



46.8803, 0.2904, 0.3836



11.2955, 0.3127, 0.3527



25.4495, 0.3020, 0.5984



1.1127, 0.3091, 0.5927

Inverse Universe

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



31.5730, 0.3114, 0.2476



50.6667, 0.3108, 0.2305



31.1221, 0.3442, 0.2803



10.2063, 0.3126, 0.3062



8.8697, 0.3016, 0.1435



0.3953, 0.3062, 0.1460

Previews

White Background



This preview shows how the Yxy color 46.4642, 0.3120, 0.4236 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 46.4642, 0.3120, 0.4236 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 46.4642, 0.3120, 0.4236

Background



This preview shows how black text looks on a background with the Yxy color 46.4642, 0.3120, 0.4236.



This preview shows how white text looks on a background with the Yxy color 46.4642, 0.3120, 0.4236.

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

46.4642, 0.3120, 0.4236

Protanopia

46.1305, 0.3718, 0.4014

Deuteranopia

45.8394, 0.3820, 0.3733



Tritanopia

46.2889, 0.2735, 0.3087

Trichromacy



Original Color

46.4642, 0.3120, 0.4236

Protanomaly

45.6750, 0.3481, 0.4086

Deuteranomaly

45.1113, 0.3542, 0.3906

Tritanomaly

46.0210, 0.2869, 0.3473

Monochromacy



Original Color

46.4642, 0.3120, 0.4236

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

42.4478, 0.3129, 0.3618

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.4642, 0.3120, 0.4236 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(137, 196, 132)` looks like.

```
.text, #text, p{  
    color:rgb(137, 196, 132)  
}
```

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(137, 196, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 196, 132) }
```

Border

The CSS property to change the border of an element to Yxy 46.4642, 0.3120, 0.4236 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(137, 196, 132) }
```

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

```
.border{ border-color:rgb(137, 196, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 196, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 196, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 196, 132);  
box-shadow:4px 4px 4px 4px rgb(137, 196,  
132) }
```


Background

The CSS property to change the background color of an element to Yxy 46.4642, 0.3120, 0.4236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 196, 132) }
```

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

```
.background{ background-color: rgb(137,  
196, 132) }
```

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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