

Converting Colors

$Y_{xy}(46.7039, 0.2945, 0.3735)$

Have a look what the booklet for
Yxy(46.7039, 0.2945, 0.3735)
contains.

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Color

Yxy(46.9787, 0.2946, 0.3734)

Conversions

Conversions Part 1

Format	Color
Hex	8EC2A3
RGB	142, 194, 163
RGB Percent	56%, 76%, 64%
CMY	0.4430, 0.2392, 0.3607
CMYK	0.27, 0.00, 0.16, 0.24
HSL	144°, 30%, 66%
HSV	144°, 27%, 76%
XYZ	37.0646, 46.9787, 41.7700
YIQ	174.9180, -21.0410, -20.6650

Conversions

Conversions Part 2

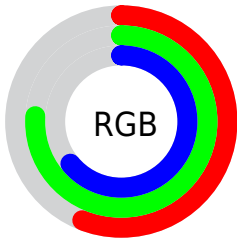
Format	Color
RYB	142, 179, 194
Decimal	9355939
CIELab	74.18, -23.40, 10.15
CIELCh	74, 25.504, 156.538
Yxy	46.9787, 0.2946, 0.3734
Android (android.graphics.Color)	4287546019 (0xFF8EC2A3)
YUV	174.9180, -5.8756, -28.8691
Hunter-Lab	68.5410, -23.4201, 11.8464

Details

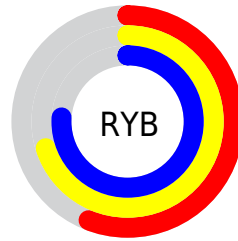
The Yxy color $46.9787, 0.2946, 0.3734$ is a light color, and the websafe version is hex $99CC99$. A complement of this color would be $33.8468, 0.3364, 0.2885$, and the grayscale version is $42.8701, 0.3127, 0.3290$.

A 20% lighter version of the original color is $85.9266, 0.2982, 0.3651$, and $22.0775, 0.2890, 0.3875$ is the 20% darker color. If you saturate the color by 10%, you get $45.0147, 0.2886, 0.3933$, and if you desaturate by 10%, it is $49.2832, 0.3012, 0.3553$.

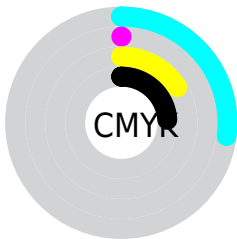
Distribution



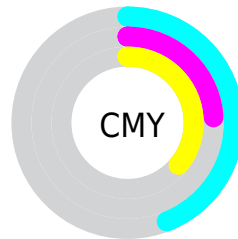
- Red (56%)
- Green (76%)
- Blue (64%)



- Red (56%)
- Yellow (70%)
- Blue (76%)



- Cyan (27%)
- Magenta (0%)
- Yellow (16%)
- Black (24%)



- Cyan (44%)
- Magenta (24%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.9787, 0.2946, 0.3734 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 46.9787, 0.2946, 0.3734 by changing the saturation by 10% instead.


 46.9787, 0.2946,
0.3734


 46.9787, 0.2946,
0.3734


374.7295, 0.3040,
0.3506

 33.0188, 0.2922,
0.3793


 85.6818, 0.2981,
0.3649

 22.1409, 0.2890,
0.3871


 111.1939, 0.2994,
0.3618

 13.9604, 0.2846,
0.3976


141.3254, 0.3004,
0.3592

 8.0932, 0.2783,
0.4127

176.4608, 0.3014,
0.3569

 4.1546, 0.2683,
0.4364

216.9846, 0.3022,
0.3550

 1.7604, 0.2506,
0.4780

263.2810, 0.3028,

 0.4623, 0.0000,

0.3533

1.0000

315.7345, 0.3034,
0.3519

0.0000, 0.0000,
0.0000

46.9787, 0.2946,
0.3734

46.9787, 0.2946,
0.3734

45.0147, 0.2886,
0.3933

49.2832, 0.3012,
0.3553

43.3689, 0.2834,
0.4147

51.9377, 0.3080,
0.3390

42.0253, 0.2794,
0.4373


54.9585, 0.3149,
0.3245

40.9641, 0.2769,
0.4605


58.3591, 0.3218,
0.3117

40.1632, 0.2761,
0.4836


62.1524, 0.3285,
0.3005

 39.5968, 0.2773,
0.5057

 65.6916, 0.3322,
0.2904

 39.2308, 0.2801,
0.5260

 66.3726, 0.3235,
0.2794

 39.1352, 0.2812,
0.5322

 67.0609, 0.3155,
0.2693

Harmonies

Analogous

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



46.9787, 0.3300, 0.3912



46.9787, 0.2946, 0.3734



46.9787, 0.2652, 0.3416

Triad

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



46.9787, 0.2946, 0.3734



46.9787, 0.2638, 0.2714



46.9787, 0.3812, 0.3438

Complementary

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



46.9787, 0.2946, 0.3734



33.8468, 0.3364, 0.2885

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.



46.9787, 0.3615, 0.3147



46.9787, 0.2946, 0.3734



46.9787, 0.2925, 0.2744

Square

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



46.9787, 0.2946, 0.3734



46.9787, 0.2483, 0.2828



46.9787, 0.3284, 0.2899



46.9787, 0.3811, 0.3711

Rectangle

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



46.9787, 0.2946, 0.3734



46.9787, 0.2525, 0.3186



46.9787, 0.3284, 0.2899



46.9787, 0.3767, 0.3340

Sweetspot

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



46.9807, 0.2946, 0.3734



93.4175, 0.3071, 0.3411



49.4441, 0.3347, 0.3992



20.2897, 0.3060, 0.3435



0.0000, 0.0000, 0.0000



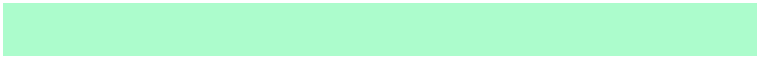
21.4041, 0.3127, 0.3290

Same Dimension

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



46.9807, 0.2946, 0.3734



83.0093, 0.2911, 0.3846



48.0013, 0.2774, 0.3361



11.3247, 0.3062, 0.3430



25.7474, 0.2805, 0.5297



1.1261, 0.2677, 0.4838

Inverse Universe

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



33.8468, 0.3364, 0.2885



55.3167, 0.3431, 0.2795



32.9427, 0.3639, 0.3222



10.1765, 0.3198, 0.3154



8.3818, 0.4538, 0.2273



0.3755, 0.4165, 0.2068

Previews

White Background



This preview shows how the Yxy color 46.9787, 0.2946, 0.3734 looks on a white background.

Color Contrast Check

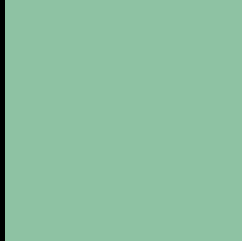
Large Text (above 18pt) WCAG AA × Fail

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 46.9787, 0.2946, 0.3734 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 46.9787, 0.2946, 0.3734

Background



This preview shows how black text looks on a background with the Yxy color 46.9787, 0.2946, 0.3734.



This preview shows how white text looks on a background with the Yxy color 46.9787, 0.2946, 0.3734.

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

46.9787, 0.2946, 0.3734

Protanopia

46.5584, 0.3413, 0.3603

Deuteranopia

46.4291, 0.3468, 0.3391



Tritanopia

46.7623, 0.2730, 0.3088

Trichromacy



Original Color

46.9787, 0.2946, 0.3734

Protanomaly

46.5053, 0.3228, 0.3657

Deuteranomaly

46.1542, 0.3256, 0.3502

Tritanomaly

46.6608, 0.2809, 0.3317

Monochromacy



Original Color

46.9787, 0.2946, 0.3734

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

44.1827, 0.3053, 0.3442

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.9787, 0.2946, 0.3734 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(142, 194, 163)` looks like.

```
.text, #text, p{  
    color:rgb(142, 194, 163)  
}
```

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(142, 194, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 194, 163) }
```

Border

The CSS property to change the border of an element to Yxy 46.9787, 0.2946, 0.3734 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(142, 194, 163) }
```

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

```
.border{ border-color:rgb(142, 194, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 194, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 194, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 194, 163);  
box-shadow:4px 4px 4px 4px rgb(142, 194,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 46.9787, 0.2946, 0.3734 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 194, 163) }
```

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

```
.background{ background-color: rgb(142,  
194, 163) }
```

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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