

Converting Colors

Yxy(63.8583, 0.3046, 0.4720)

Have a look what the booklet for
Yxy(63.8583, 0.3046, 0.4720)
contains.

Yxy(64.0952, 0.3043, 0.4725)	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(64.0952, 0.3043, 0.4725)

Conversions

Conversions Part 1

Format	Color
Hex	7CE97F
RGB	124, 233, 127
RGB Percent	49%, 91%, 50%
CMY	0.5139, 0.0862, 0.5019
CMYK	0.47, 0.00, 0.45, 0.09
HSL	122°, 71%, 70%
HSV	122°, 47%, 91%
XYZ	41.2787, 64.0952, 30.2774
YIQ	188.3250, -30.9380, -56.0740

Conversions

Conversions Part 2

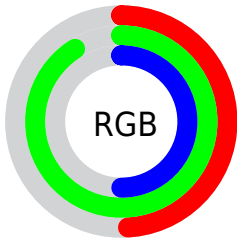
Format	Color
RYB	124, 230, 233
Decimal	8186239
CIELab	84.02, -52.46, 41.90
CIElCh	84, 67.135, 141.384
Yxy	64.0952, 0.3043, 0.4725
Android (android.graphics.Color)	4286376319 (0xFF7CE97F)
YUV	188.3250, -30.2332, -56.4130
Hunter-Lab	80.0595, -48.0695, 33.6190

Details

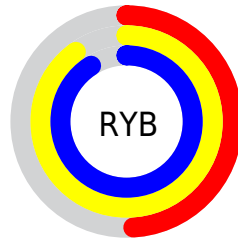
The Yxy color **64.0952, 0.3043, 0.4725** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **37.4434, 0.3209, 0.2181**, and the grayscale version is **50.6697, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.8013, 0.3093, 0.4138**, and **32.6487, 0.2977, 0.5140** is the 20% darker color. If you saturate the color by 10%, you get **62.0369, 0.3026, 0.5075**, and if you desaturate by 10%, it is **66.7016, 0.3062, 0.4373**.

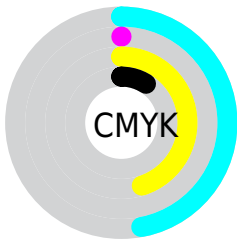
Distribution



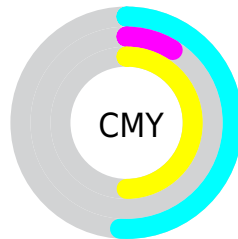
- Red (49%)
- Green (91%)
- Blue (50%)



- Red (49%)
- Yellow (90%)
- Blue (91%)



- Cyan (47%)
- Magenta (0%)
- Yellow (45%)
- Black (9%)




- Cyan (51%)
- Magenta (9%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.0952, 0.3043, 0.4725 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 64.0952, 0.3043, 0.4725 by changing the saturation by 10% instead.


 64.0952, 0.3043,
0.4725


 64.0952, 0.3043,
0.4725


439.5333, 0.3115,
0.3998

 46.7278, 0.3016,
0.4906

 110.7480, 0.3076,
0.4460

 32.8205, 0.2976,
0.5136


 140.8022, 0.3087,
0.4361

 21.9890, 0.2915,
0.5438


 175.8542, 0.3095,
0.4277

 13.8488, 0.2815,
0.5844

216.2882, 0.3101,
0.4205

 8.0156, 0.2640,
0.6411

262.4887, 0.3106,
0.4143

 4.1049, 0.2426,
0.7574

314.8402, 0.3110,

 1.7324, 0.1008,

0.4088

0.8992

373.7269, 0.3113,
0.4040

0.4445, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

64.0952, 0.3043,
0.4725

64.0952, 0.3043,
0.4725

62.0369, 0.3026,
0.5075

66.7016, 0.3062,
0.4373

60.4805, 0.3012,
0.5398


69.8828, 0.3081,
0.4038


59.3851, 0.3002,
0.5667


73.6732, 0.3099,
0.3731

58.7002, 0.2997,
0.5860

78.1023, 0.3116,
0.3457

 58.3619, 0.2997,
0.5967

 83.1975, 0.3132,
0.3217

 58.2969, 0.2996,
0.5987

 86.7626, 0.3137,
0.3078

Harmonies

Analogous

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



64.0952, 0.3835, 0.4808



64.0952, 0.3043, 0.4725



64.0952, 0.2316, 0.4025

Triad

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



64.0952, 0.3043, 0.4725



64.0952, 0.1853, 0.2093



64.0952, 0.4581, 0.3211

Complementary

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



64.0952, 0.3043, 0.4725



37.4434, 0.3209, 0.2181

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.



64.0952, 0.3894, 0.2666



64.0952, 0.3043, 0.4725



64.0952, 0.2301, 0.2051

Square

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



64.0952, 0.3043, 0.4725



64.0952, 0.1700, 0.2430



64.0952, 0.3026, 0.2256



64.0952, 0.4788, 0.3814

Rectangle

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



64.0952, 0.3043, 0.4725



64.0952, 0.1968, 0.3404



64.0952, 0.3026, 0.2256



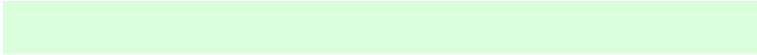
64.0952, 0.4395, 0.3019

Sweetspot

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



64.0979, 0.3043, 0.4725



91.8097, 0.3104, 0.3653



76.7578, 0.3804, 0.4438



19.4113, 0.3100, 0.3714



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.



64.0979, 0.3043, 0.4725



76.2432, 0.3027, 0.5057



65.8730, 0.2767, 0.3987



16.8690, 0.3112, 0.3527



33.0792, 0.2995, 0.5982



2.5999, 0.2981, 0.5933

Inverse Universe

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



37.4434, 0.3209, 0.2181



39.8585, 0.3225, 0.1994



34.8934, 0.3770, 0.2701



15.3061, 0.3142, 0.3064



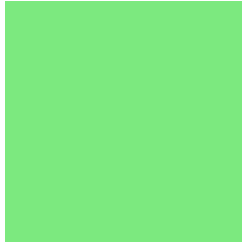
12.9643, 0.3280, 0.1581



1.0203, 0.3269, 0.1575

Previews

White Background



This preview shows how the Yxy color 64.0952, 0.3043, 0.4725 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 64.0952, 0.3043, 0.4725 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

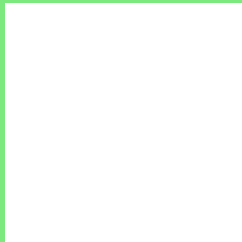
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.0952, 0.3043, 0.4725

Background



This preview shows how black text looks on a background with the Yxy color 64.0952, 0.3043, 0.4725.

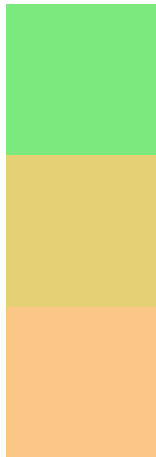


This preview shows how white text looks on a background with the Yxy color 64.0952, 0.3043, 0.4725.

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

64.0952, 0.3043, 0.4725

Protanopia

63.0778, 0.3943, 0.4277

Deuteranopia

62.9201, 0.4044, 0.3962



Tritanopia

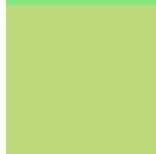
63.5625, 0.2563, 0.3071

Trichromacy



Original Color

64.0952, 0.3043, 0.4725



Protanomaly

62.0826, 0.3572, 0.4457



Deuteranomaly

61.0918, 0.3628, 0.4233



Tritanomaly

63.4166, 0.2740, 0.3638

Monochromacy



Original Color

64.0952, 0.3043, 0.4725



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

53.9382, 0.3096, 0.3796

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.0952, 0.3043, 0.4725 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(124, 233, 127)` looks like.

```
.text, #text, p{  
    color:rgb(124, 233, 127)  
}
```

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(124, 233, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 233, 127) }
```

Border

The CSS property to change the border of an element to Yxy 64.0952, 0.3043, 0.4725 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(124, 233, 127) }
```

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

```
.border{ border-color:rgb(124, 233, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 233, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 233, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 233, 127);  
box-shadow:4px 4px 4px 4px rgb(124, 233,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 64.0952, 0.3043, 0.4725 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 233, 127) }
```

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

```
.background{ background-color: rgb(124,  
233, 127) }
```

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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