

Converting Colors

$Yxy(63.6263, 0.3050, 0.4716)$

Have a look what the booklet for
Yxy(63.6263, 0.3050, 0.4716)
contains.

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Color

Yxy(63.6055, 0.3049, 0.4714)

Conversions

Conversions Part 1

Format	Color
Hex	7DE87F
RGB	125, 232, 127
RGB Percent	49%, 91%, 50%
CMY	0.5100, 0.0902, 0.5020
CMYK	0.46, 0.00, 0.45, 0.09
HSL	121°, 70%, 70%
HSV	121°, 46%, 91%
XYZ	41.1398, 63.6055, 30.1836
YIQ	188.0370, -30.0670, -55.3390

Conversions

Conversions Part 2

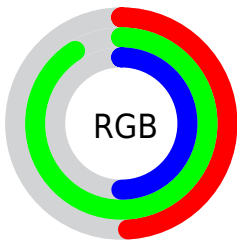
Format	Color
RYB	125, 230, 232
Decimal	8251519
CIELab	83.76, -51.78, 41.59
CIELCh	84, 66.416, 141.226
Yxy	63.6055, 0.3049, 0.4714
Android (android.graphics.Color)	4286441599 (0xFF7DE87F)
YUV	188.0370, -30.0912, -55.2834
Hunter-Lab	79.7531, -47.4904, 33.3881

Details

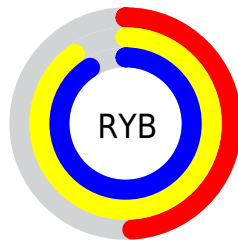
The Yxy color **63.6055, 0.3049, 0.4714** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **37.5267, 0.3198, 0.2187**, and the grayscale version is **50.4940, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.9235, 0.3099, 0.4136**, and **32.3262, 0.2988, 0.5125** is the 20% darker color. If you saturate the color by 10%, you get **61.5340, 0.3032, 0.5067**, and if you desaturate by 10%, it is **66.2241, 0.3067, 0.4360**.

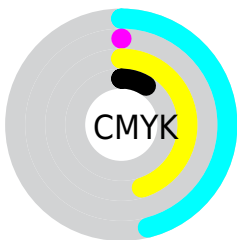
Distribution



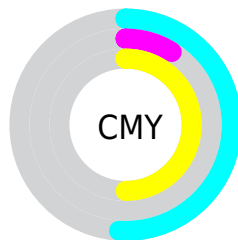
- Red (49%)
- Green (91%)
- Blue (50%)



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



- Cyan (46%)
- Magenta (0%)
- Yellow (45%)
- Black (9%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.6055, 0.3049, 0.4714 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 63.6055, 0.3049, 0.4714 by changing the saturation by 10% instead.

 63.6055, 0.3049,
0.4714

 63.6055, 0.3049,
0.4714

437.7636, 0.3118,
0.3992


 46.3312, 0.3023,
0.4894


 110.0426, 0.3081,
0.4451

 32.5073, 0.2984,
0.5123


 139.9742, 0.3091,
0.4352

 21.7493, 0.2924,
0.5423


 174.8937, 0.3098,
0.4269

 13.6728, 0.2826,
0.5829


215.1855, 0.3104,
0.4197

 7.8934, 0.2653,
0.6395

261.2340, 0.3109,
0.4135

 4.0268, 0.2442,
0.7558

313.4236, 0.3113,

 1.6886, 0.0982,

0.4081

0.9018

372.1387, 0.3116,
0.4034

0.4162, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

63.6055, 0.3049,
0.4714

63.6055, 0.3049,
0.4714

61.5340, 0.3032,
0.5067

66.2241, 0.3067,
0.4360

59.9636, 0.3017,
0.5393

69.4161, 0.3085,
0.4023


58.8542, 0.3006,
0.5664

73.2157, 0.3102,
0.3716


58.1557, 0.3000,
0.5859

77.6520, 0.3118,
0.3441

 57.8064, 0.2999,
0.5968

 82.7525, 0.3132,
0.3201

 57.7287, 0.2997,
0.5991

 86.1991, 0.3138,
0.3068

Harmonies

Analogous

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



63.6055, 0.3835, 0.4796



63.6055, 0.3049, 0.4714



63.6055, 0.2326, 0.4023

Triad

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



63.6055, 0.3049, 0.4714



63.6055, 0.1860, 0.2102



63.6055, 0.4567, 0.3209

Complementary

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



63.6055, 0.3049, 0.4714



37.5267, 0.3198, 0.2187

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.



63.6055, 0.3883, 0.2668



63.6055, 0.3049, 0.4714



63.6055, 0.2304, 0.2059

Square

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



63.6055, 0.3049, 0.4714



63.6055, 0.1709, 0.2440



63.6055, 0.3023, 0.2261



63.6055, 0.4775, 0.3809

Rectangle

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



63.6055, 0.3049, 0.4714



63.6055, 0.1979, 0.3408



63.6055, 0.3023, 0.2261



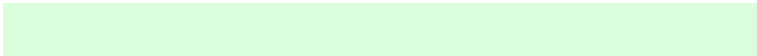
63.6055, 0.4381, 0.3019

Sweetspot

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



63.6082, 0.3049, 0.4714



91.7928, 0.3106, 0.3656



76.0592, 0.3795, 0.4423



19.4072, 0.3102, 0.3718



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.



63.6082, 0.3049, 0.4714



76.4420, 0.3033, 0.5037



65.3824, 0.2771, 0.3975



16.0936, 0.3113, 0.3528



32.0476, 0.2997, 0.5988



2.3698, 0.2987, 0.5952

Inverse Universe

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



37.5267, 0.3198, 0.2187



40.5143, 0.3212, 0.2003



34.9772, 0.3757, 0.2709



14.6103, 0.3141, 0.3063



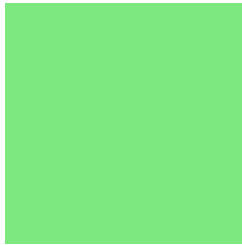
12.6238, 0.3257, 0.1568



0.9344, 0.3249, 0.1564

Previews

White Background



This preview shows how the Yxy color 63.6055, 0.3049, 0.4714 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 63.6055, 0.3049, 0.4714 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

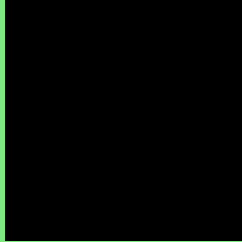
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 63.6055, 0.3049, 0.4714

Background



This preview shows how black text looks on a background with the Yxy color 63.6055, 0.3049, 0.4714.



This preview shows how white text looks on a background with the Yxy color 63.6055, 0.3049, 0.4714.

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

63.6055, 0.3049, 0.4714

Protanopia

62.9137, 0.3934, 0.4281

Deuteranopia

62.2772, 0.4040, 0.3954



Tritanopia

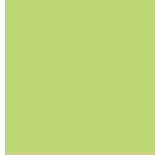
63.0734, 0.2572, 0.3071

Trichromacy



Original Color

63.6055, 0.3049, 0.4714



Protanomaly

62.0826, 0.3572, 0.4457



Deuteranomaly

60.5965, 0.3632, 0.4223



Tritanomaly

62.9180, 0.2750, 0.3638

Monochromacy



Original Color

63.6055, 0.3049, 0.4714



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 63.6055, 0.3049, 0.4714 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(125, 232, 127)` looks like.

```
.text, #text, p{  
    color:rgb(125, 232, 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(125, 232, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 232, 127) }
```

Border

The CSS property to change the border of an element to Yxy 63.6055, 0.3049, 0.4714 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(125, 232, 127) }
```

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

```
.border{ border-color:rgb(125, 232, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 232, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 232, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 232, 127);  
box-shadow:4px 4px 4px 4px rgb(125, 232,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 63.6055, 0.3049, 0.4714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 232, 127) }
```

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

```
.background{ background-color: rgb(125,  
232, 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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