

Converting Colors

$Yxy(44.4120, 0.3062, 0.4308)$

Have a look what the booklet for
Yxy(44.4120, 0.3062, 0.4308)
contains.

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Color

Yxy(44.4759, 0.3064, 0.4316)

Conversions

Conversions Part 1

Format	Color
Hex	7DC27F
RGB	125, 194, 127
RGB Percent	49%, 76%, 50%
CMY	0.5100, 0.2392, 0.5020
CMYK	0.36, 0.00, 0.35, 0.24
HSL	122°, 36%, 63%
HSV	122°, 36%, 76%
XYZ	31.5742, 44.4759, 26.9988
YIQ	165.7310, -19.6170, -35.4650

Conversions

Conversions Part 2

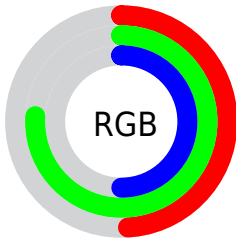
Format	Color
RYB	125, 192, 194
Decimal	8241791
CIELab	72.55, -35.38, 27.02
CIELCh	73, 44.512, 142.632
Yxy	44.4759, 0.3064, 0.4316
Android (android.graphics.Color)	4286431871 (0xFF7DC27F)
YUV	165.7310, -19.0944, -35.7211
Hunter-Lab	66.6903, -32.1980, 22.6803

Details

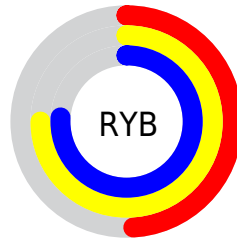
The Yxy color **44.4759, 0.3064, 0.4316** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **29.9290, 0.3189, 0.2442**, and the grayscale version is **38.0930, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.9929, 0.3089, 0.4114**, and **20.6697, 0.3018, 0.4659** is the 20% darker color. If you saturate the color by 10%, you get **42.7123, 0.3045, 0.4662**, and if you desaturate by 10%, it is **46.6201, 0.3083, 0.3989**.

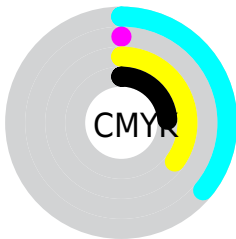
Distribution



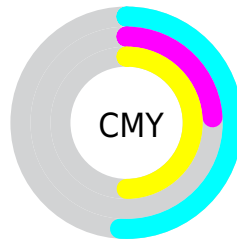
- Red (49%)
- Green (76%)
- Blue (50%)



- Red (49%)
- Yellow (75%)
- Blue (76%)



- Cyan (36%)
- Magenta (0%)
- Yellow (35%)
- Black (24%)




- Cyan (51%)
- Magenta (24%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.4759, 0.3064, 0.4316 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 44.4759, 0.3064, 0.4316 by changing the saturation by 10% instead.


 44.4759, 0.3064,
0.4316

 44.4759, 0.3064,
0.4316

364.6468, 0.3112,
0.3771


 31.0448, 0.3046,
0.4462


 81.9334, 0.3086,
0.4110

 20.6330, 0.3018,
0.4655


 106.7286, 0.3093,
0.4035

 12.8560, 0.2973,
0.4922


 136.0806, 0.3098,
0.3973

 7.3295, 0.2895,
0.5309

170.3738, 0.3102,
0.3920

 3.6690, 0.2743,
0.5919

209.9926, 0.3106,
0.3875

 1.4902, 0.2345,
0.7655

255.3215, 0.3108,

 0.2818, 0.0000,

0.3835

1.0000

306.7447, 0.3110,
0.3801

0.0000, 0.0000,
0.0000

44.4759, 0.3064,
0.4316

44.4759, 0.3064,
0.4316

42.7123, 0.3045,
0.4662

46.6201, 0.3083,
0.3989

41.3019, 0.3028,
0.5009

49.1593, 0.3101,
0.3690

40.2226, 0.3013,
0.5336

52.1140, 0.3118,
0.3424

39.4472, 0.3003,
0.5615


55.5017, 0.3134,
0.3192

38.9446, 0.2997,
0.5823

59.3388, 0.3148,
0.2990

 38.6764, 0.2996,
0.5949

 63.6410, 0.3160,
0.2816

 38.6021, 0.2995,
0.5982

 67.0694, 0.3155,
0.2693

Harmonies

Analogous

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



44.4759, 0.3675, 0.4438



44.4759, 0.3064, 0.4316



44.4759, 0.2501, 0.3804

Triad

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



44.4759, 0.3064, 0.4316



44.4759, 0.2142, 0.2358



44.4759, 0.4230, 0.3275

Complementary

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



44.4759, 0.3064, 0.4316



29.9290, 0.3189, 0.2442

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.



44.4759, 0.3733, 0.2828



44.4759, 0.3064, 0.4316



44.4759, 0.2516, 0.2320

Square

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



44.4759, 0.3064, 0.4316



44.4759, 0.2008, 0.2633



44.4759, 0.3088, 0.2491



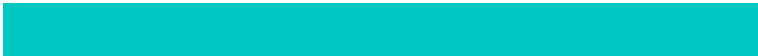
44.4759, 0.4386, 0.3758

Rectangle

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



44.4759, 0.3064, 0.4316



44.4759, 0.2226, 0.3365



44.4759, 0.3088, 0.2491



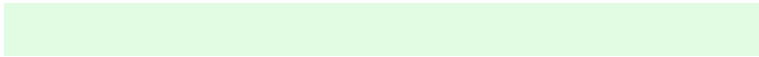
44.4759, 0.4095, 0.3118

Sweetspot

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



44.4778, 0.3064, 0.4316



91.3239, 0.3109, 0.3568



51.3881, 0.3646, 0.4169



19.8398, 0.3107, 0.3606



0.0000, 0.0000, 0.0000



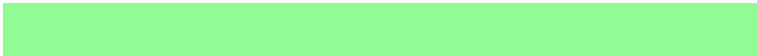
21.4041, 0.3127, 0.3290

Same Dimension

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



44.4778, 0.3064, 0.4316



77.9342, 0.3049, 0.4595



45.5057, 0.2841, 0.3786



11.2636, 0.3112, 0.3521



25.3780, 0.2994, 0.5978



1.0982, 0.2971, 0.5896

Inverse Universe

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



29.9290, 0.3189, 0.2442



47.5482, 0.3204, 0.2260



28.6050, 0.3559, 0.2846



10.2422, 0.3142, 0.3070



9.9368, 0.3284, 0.1583



0.4310, 0.3266, 0.1573

Previews

White Background



This preview shows how the Yxy color 44.4759, 0.3064, 0.4316 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 44.4759, 0.3064, 0.4316 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 44.4759, 0.3064, 0.4316

Background



This preview shows how black text looks on a background with the Yxy color 44.4759, 0.3064, 0.4316.

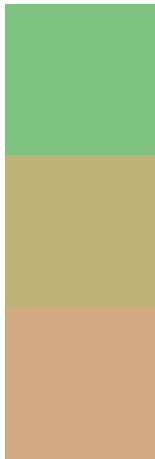


This preview shows how white text looks on a background with the Yxy color 44.4759, 0.3064, 0.4316.

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

44.4759, 0.3064, 0.4316

Protanopia

44.0068, 0.3749, 0.4039

Deuteranopia

43.9707, 0.3840, 0.3766



Tritanopia

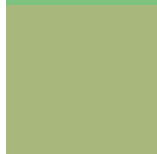
44.3570, 0.2669, 0.3081

Trichromacy



Original Color

44.4759, 0.3064, 0.4316



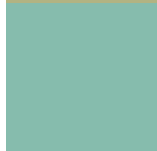
Protanomaly

43.6219, 0.3474, 0.4135



Deuteranomaly

43.3169, 0.3524, 0.3964



Tritanomaly

44.0519, 0.2815, 0.3508

Monochromacy



Original Color

44.4759, 0.3064, 0.4316



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

39.8970, 0.3102, 0.3645

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.4759, 0.3064, 0.4316 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, 194, 127)` looks like.

```
.text, #text, p{  
    color:rgb(125, 194, 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, 194, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 194, 127) }
```

Border

The CSS property to change the border of an element to Yxy 44.4759, 0.3064, 0.4316 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, 194, 127) }
```

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

```
.border{ border-color:rgb(125, 194, 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, 194, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(125, 194, 127); -webkit-box-shadow:4px 4px 4px 4px rgb(125, 194, 127); box-shadow:4px 4px 4px 4px rgb(125, 194, 127) }
```


Background

The CSS property to change the background color of an element to Yxy 44.4759, 0.3064, 0.4316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 194, 127) }
```

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

```
.background{ background-color: rgb(125,  
194, 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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