

Converting Colors

Yxy(63.5361, 0.3194, 0.4424)

Have a look what the booklet for
Yxy(63.5361, 0.3194, 0.4424)
contains.

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Color

Yxy(63.4249, 0.3190, 0.4422)

Conversions

Conversions Part 1

Format	Color
Hex	9DE28B
RGB	157, 226, 139
RGB Percent	62%, 89%, 55%
CMY	0.3845, 0.1137, 0.4550
CMYK	0.31, 0.00, 0.39, 0.11
HSL	108°, 60%, 72%
HSV	108°, 39%, 89%
XYZ	45.7543, 63.4249, 34.2512
YIQ	195.4510, -13.1970, -41.6850

Conversions

Conversions Part 2

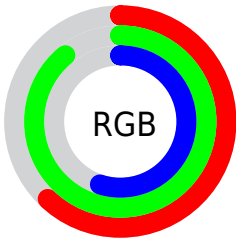
Format	Color
RYB	139, 226, 208
Decimal	10347147
CIELab	83.67, -37.73, 35.82
CIELCh	84, 52.023, 136.489
Yxy	63.4249, 0.3190, 0.4422
Android (android.graphics.Color)	4288537227 (0xFF9DE28B)
YUV	195.4510, -27.8303, -33.7215
Hunter-Lab	79.6398, -36.8185, 30.2486

Details

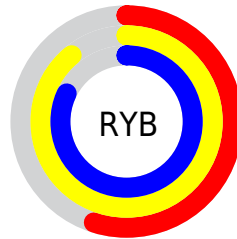
The Yxy color **63.4249, 0.3190, 0.4422** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **37.3694, 0.3006, 0.2293**, and the grayscale version is **55.0273, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.5164, 0.3219, 0.3957**, and **32.3376, 0.3177, 0.4728** is the 20% darker color. If you saturate the color by 10%, you get **61.1610, 0.3193, 0.4761**, and if you desaturate by 10%, it is **66.0955, 0.3179, 0.4093**.

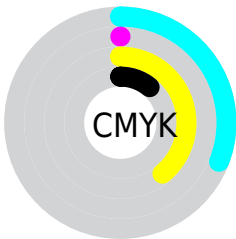
Distribution



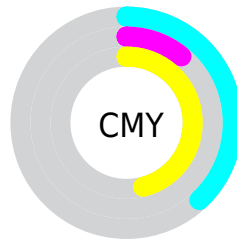
- Red (62%)
- Green (89%)
- Blue (55%)



- Red (55%)
- Yellow (89%)
- Blue (82%)



- Cyan (31%)
- Magenta (0%)
- Yellow (39%)
- Black (11%)





- Cyan (38%)
- Magenta (11%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.4249, 0.3190, 0.4422 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 63.4249, 0.3190, 0.4422 by changing the saturation by 10% instead.


 63.4249, 0.3190,
0.4422


 63.4249, 0.3190,
0.4422


437.1099, 0.3180,
0.3856


 46.1850, 0.3186,
0.4562

 109.7823, 0.3191,
0.4217

 32.3919, 0.3177,
0.4739

 139.6686, 0.3191,
0.4140

 21.6610, 0.3158,
0.4971


 174.5392, 0.3189,
0.4074

 13.6080, 0.3121,
0.5285

214.7784, 0.3187,
0.4018

 7.8485, 0.3044,
0.5729

260.7707, 0.3186,
0.3969

 3.9982, 0.2927,
0.6506

312.9005, 0.3184,

 1.6725, 0.2361,

0.3927

0.7639

371.5521, 0.3182,
0.3889

0.4058, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

63.4249, 0.3190,
0.4422

63.4249, 0.3190,
0.4422

61.1610, 0.3193,
0.4761

66.0955, 0.3179,
0.4093

59.2757, 0.3188,
0.5092

69.1833, 0.3164,
0.3785


57.7501, 0.3172,
0.5394


72.7083, 0.3145,
0.3505


56.5599, 0.3145,
0.5645


76.6869, 0.3124,
0.3254

 55.6779, 0.3110,
0.5827

 81.1346, 0.3103,
0.3033

 55.0691, 0.3072,
0.5934

 82.8799, 0.3140,
0.3009

 54.9965, 0.3066,
0.5947

Harmonies

Analogous

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



63.4249, 0.3812, 0.4454



63.4249, 0.3190, 0.4422



63.4249, 0.2583, 0.3958

Triad

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



63.4249, 0.3190, 0.4422



63.4249, 0.2060, 0.2362



63.4249, 0.4191, 0.3172

Complementary

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



63.4249, 0.3190, 0.4422



37.3694, 0.3006, 0.2293

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.



63.4249, 0.3623, 0.2729



63.4249, 0.3190, 0.4422



63.4249, 0.2396, 0.2277

Square

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



63.4249, 0.3190, 0.4422



63.4249, 0.1975, 0.2698



63.4249, 0.2952, 0.2413



63.4249, 0.4433, 0.3668

Rectangle

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



63.4249, 0.3190, 0.4422



63.4249, 0.2269, 0.3507



63.4249, 0.2952, 0.2413



63.4249, 0.4029, 0.3014

Sweetspot

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



63.4276, 0.3190, 0.4422



93.8658, 0.3152, 0.3602



62.7367, 0.3777, 0.4059



19.9594, 0.3154, 0.3639



0.0000, 0.0000, 0.0000



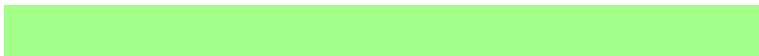
21.4041, 0.3127, 0.3290

Same Dimension

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



63.4276, 0.3190, 0.4422



81.0196, 0.3193, 0.4686



62.5554, 0.2933, 0.4122



15.4729, 0.3147, 0.3530



31.4122, 0.3074, 0.5941



2.2155, 0.3176, 0.5860

Inverse Universe

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



37.3694, 0.3006, 0.2293



42.2628, 0.2972, 0.2094



38.8664, 0.3405, 0.2585



13.7853, 0.3105, 0.3057



8.6747, 0.2693, 0.1257



0.6377, 0.2777, 0.1303

Previews

White Background



This preview shows how the Yxy color 63.4249, 0.3190, 0.4422 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 63.4249, 0.3190, 0.4422 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

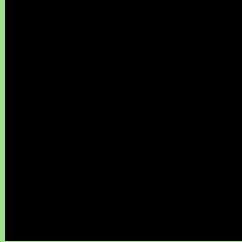
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 63.4249, 0.3190, 0.4422

Background



This preview shows how black text looks on a background with the Yxy color 63.4249, 0.3190, 0.4422.

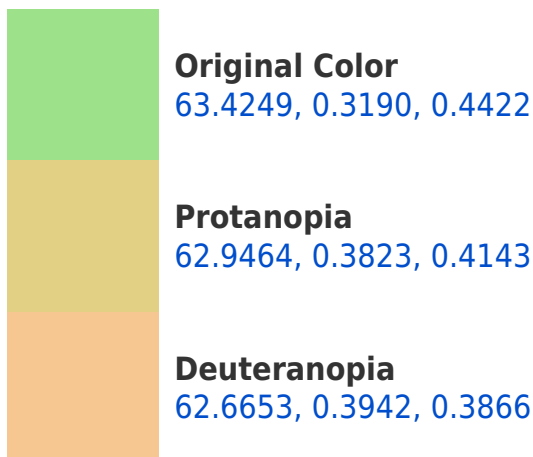


This preview shows how white text looks on a background with the Yxy color 63.4249, 0.3190, 0.4422.

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





Tritanopia

63.3113, 0.2736, 0.3088

Trichromacy



Original Color

63.4249, 0.3190, 0.4422



Protanomaly

62.7677, 0.3570, 0.4247



Deuteranomaly

61.8802, 0.3642, 0.4061



Tritanomaly

62.9557, 0.2903, 0.3551

Monochromacy



Original Color

63.4249, 0.3190, 0.4422



Achromatopsia

54.5724, 0.3127, 0.3290



Achromatomaly

57.0615, 0.3154, 0.3683

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.4249, 0.3190, 0.4422 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(157, 226, 139)` looks like.

```
.text, #text, p{  
    color:rgb(157, 226, 139)  
}
```

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(157, 226, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 226, 139) }
```

Border

The CSS property to change the border of an element to Yxy 63.4249, 0.3190, 0.4422 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(157, 226, 139) }
```

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

```
.border{ border-color:rgb(157, 226, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 226, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(157, 226, 139); -webkit-box-shadow:4px 4px 4px 4px rgb(157, 226, 139); box-shadow:4px 4px 4px 4px rgb(157, 226, 139) }
```


Background

The CSS property to change the background color of an element to Yxy 63.4249, 0.3190, 0.4422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 226, 139) }
```

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

```
.background{ background-color: rgb(157,  
226, 139) }
```

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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