

Converting Colors

$Yxy(66.3000, 0.3128, 0.4437)$

Have a look what the booklet for
Yxy(66.3000, 0.3128, 0.4437)
contains.

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Color

Yxy(66.3718, 0.3129, 0.4441)

Conversions

Conversions Part 1

Format	Color
Hex	98E88F
RGB	152, 232, 143
RGB Percent	60%, 91%, 56%
CMY	0.4038, 0.0902, 0.4394
CMYK	0.34, 0.00, 0.38, 0.09
HSL	114°, 66%, 74%
HSV	114°, 38%, 91%
XYZ	46.7636, 66.3718, 36.3169
YIQ	197.9340, -19.1110, -44.6390

Conversions

Conversions Part 2

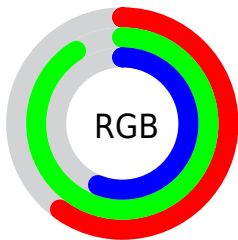
Format	Color
RYB	143, 232, 223
Decimal	10021007
CIELab	85.19, -41.42, 35.76
CIElCh	85, 54.720, 139.198
Yxy	66.3718, 0.3129, 0.4441
Android (android.graphics.Color)	4288211087 (0xFF98E88F)
YUV	197.9340, -27.0825, -40.2841
Hunter-Lab	81.4689, -40.1104, 30.5981

Details

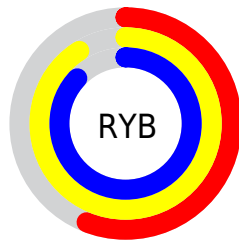
The Yxy color **66.3718, 0.3129, 0.4441** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **41.1394, 0.3090, 0.2320**, and the grayscale version is **56.6080, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.1525, 0.3166, 0.3906**, and **34.3474, 0.3102, 0.4768** is the 20% darker color. If you saturate the color by 10%, you get **63.9052, 0.3121, 0.4792**, and if you desaturate by 10%, it is **69.3427, 0.3133, 0.4102**.

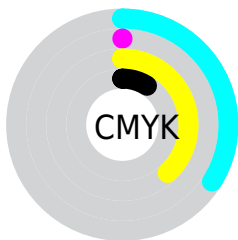
Distribution



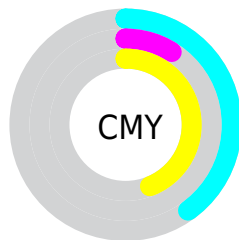
- Red (60%)
- Green (91%)
- Blue (56%)



- Red (56%)
- Yellow (91%)
- Blue (87%)



- Cyan (34%)
- Magenta (0%)
- Yellow (38%)
- Black (9%)





- Cyan (40%)
- Magenta (9%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 66.3718, 0.3129, 0.4441 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 66.3718, 0.3129, 0.4441 by changing the saturation by 10% instead.


 66.3718, 0.3129,
0.4441


 66.3718, 0.3129,
0.4441


447.7054, 0.3149,
0.3867

 48.5743, 0.3118,
0.4582


 114.0198, 0.3141,
0.4234

 34.2819, 0.3100,
0.4760


 144.6391, 0.3144,
0.4156

 23.1102, 0.3072,
0.4993

180.3011, 0.3146,
0.4089

 14.6749, 0.3022,
0.5308


221.3901, 0.3147,
0.4032

 8.5916, 0.2930,
0.5752

268.2907, 0.3148,
0.3983

 4.4757, 0.2767,
0.6460


321.3872, 0.3149,

 1.9431, 0.2319,


0.3940


0.7681


381.0640, 0.3149,
0.3901

 0.5741, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 66.3718, 0.3129,
0.4441

 66.3718, 0.3129,
0.4441


 63.9052, 0.3121,
0.4792


 69.3427, 0.3133,
0.4102


 61.9070, 0.3108,
0.5135

 72.8349, 0.3133,
0.3787

 60.3497, 0.3090,
0.5447

 76.8749, 0.3131,
0.3503

 59.1997, 0.3069,
0.5701

 81.4848, 0.3126,
0.3251

■ 58.4182, 0.3045,
0.5877

■ 86.1953, 0.3138,
0.3068

■ 57.9562, 0.3023,
0.5973

■ 57.9046, 0.3020,
0.5984

Harmonies

Analogous

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



66.3718, 0.3778, 0.4510



66.3718, 0.3129, 0.4441



66.3718, 0.2514, 0.3924

Triad

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



66.3718, 0.3129, 0.4441



66.3718, 0.2048, 0.2314



66.3718, 0.4269, 0.3210

Complementary

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



66.3718, 0.3129, 0.4441



41.1394, 0.3090, 0.2320

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.



66.3718, 0.3701, 0.2748



66.3718, 0.3129, 0.4441



66.3718, 0.2414, 0.2250

Square

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



66.3718, 0.3129, 0.4441



66.3718, 0.1936, 0.2633



66.3718, 0.3005, 0.2408



66.3718, 0.4481, 0.3722

Rectangle

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



66.3718, 0.3129, 0.4441



66.3718, 0.2204, 0.3448



66.3718, 0.3005, 0.2408



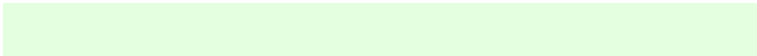
66.3718, 0.4110, 0.3047

Sweetspot

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



66.3746, 0.3129, 0.4441



93.3380, 0.3132, 0.3604



71.1769, 0.3741, 0.4144



19.8362, 0.3132, 0.3641



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.



66.3746, 0.3129, 0.4441



79.7955, 0.3123, 0.4717



66.7296, 0.2884, 0.4000



16.1589, 0.3131, 0.3532



32.1703, 0.3025, 0.5980



2.4011, 0.3085, 0.5932

Inverse Universe

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



41.1394, 0.3090, 0.2320



44.3777, 0.3077, 0.2131



40.8613, 0.3492, 0.2678



14.5368, 0.3122, 0.3057



10.7434, 0.2955, 0.1401



0.8155, 0.2994, 0.1423

Previews

White Background



This preview shows how the Yxy color 66.3718, 0.3129, 0.4441 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 66.3718, 0.3129, 0.4441 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

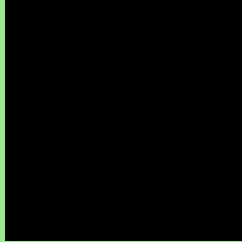
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 66.3718, 0.3129, 0.4441

Background



This preview shows how black text looks on a background with the Yxy color 66.3718, 0.3129, 0.4441.

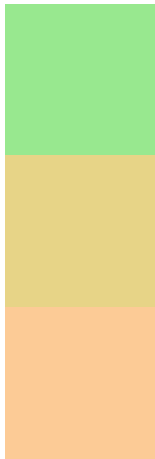


This preview shows how white text looks on a background with the Yxy color 66.3718, 0.3129, 0.4441.

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

66.3718, 0.3129, 0.4441

Protanopia

65.8252, 0.3826, 0.4137

Deuteranopia

65.6093, 0.3928, 0.3846



Tritanopia

66.3210, 0.2686, 0.3090

Trichromacy



Original Color

66.3718, 0.3129, 0.4441



Protanomaly

65.0546, 0.3546, 0.4250



Deuteranomaly

64.7986, 0.3613, 0.4063



Tritanomaly

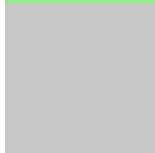
65.9488, 0.2851, 0.3561

Monochromacy



Original Color

66.3718, 0.3129, 0.4441



Achromatopsia

56.4712, 0.3127, 0.3290



Achromatomaly

59.1313, 0.3131, 0.3692

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.3718, 0.3129, 0.4441 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(152, 232, 143)` looks like.

```
.text, #text, p{  
    color:rgb(152, 232, 143)  
}
```

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(152, 232, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 232, 143) }
```

Border

The CSS property to change the border of an element to Yxy 66.3718, 0.3129, 0.4441 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(152, 232, 143) }
```

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

```
.border{ border-color:rgb(152, 232, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 232, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(152, 232, 143); -webkit-box-shadow:4px 4px 4px 4px rgb(152, 232, 143); box-shadow:4px 4px 4px 4px rgb(152, 232, 143) }
```


Background

The CSS property to change the background color of an element to Yxy 66.3718, 0.3129, 0.4441 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 232, 143) }
```

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

```
.background{ background-color: rgb(152,  
232, 143) }
```

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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