

Converting Colors

$Yxy(68.6528, 0.2989, 0.4583)$

Have a look what the booklet for
Yxy(68.6528, 0.2989, 0.4583)
contains.

Yxy(68.8624, 0.2990, 0.4581)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(68.8624, 0.2990, 0.4581)

Conversions

Conversions Part 1

Format	Color
Hex	80F08E
RGB	128, 240, 142
RGB Percent	50%, 94%, 56%
CMY	0.4980, 0.0588, 0.4431
CMYK	0.47, 0.00, 0.41, 0.06
HSL	127°, 79%, 72%
HSV	127°, 47%, 94%
XYZ	44.9462, 68.8624, 36.5132
YIQ	195.3400, -35.2940, -54.2220

Conversions

Conversions Part 2

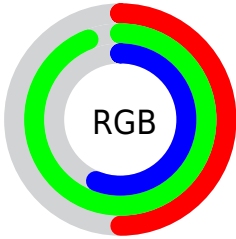
Format	Color
RYB	128, 228, 240
Decimal	8450190
CIELab	86.44, -51.99, 37.66
CIELCh	86, 64.200, 144.080
Yxy	68.8624, 0.2990, 0.4581
Android (android.graphics.Color)	4286640270 (0xFF80F08E)
YUV	195.3400, -26.2966, -59.0572
Hunter-Lab	82.9834, -48.5401, 32.0004

Details

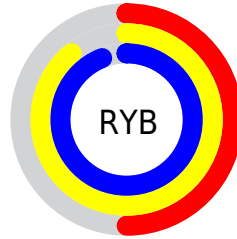
The Yxy color **68.8624, 0.2990, 0.4581** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **39.4603, 0.3309, 0.2276**, and the grayscale version is **54.9659, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.9903, 0.3031, 0.3944**, and **35.8341, 0.2920, 0.4945** is the 20% darker color. If you saturate the color by 10%, you get **66.6462, 0.2969, 0.4908**, and if you desaturate by 10%, it is **71.6433, 0.3016, 0.4260**.

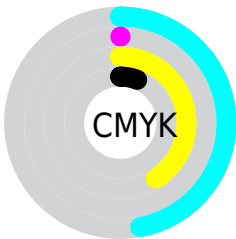
Distribution



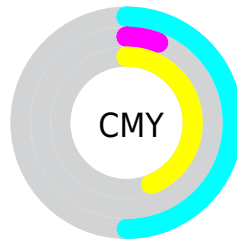
- Red (50%)
- Green (94%)
- Blue (56%)



- Red (50%)
- Yellow (89%)
- Blue (94%)



- Cyan (47%)
- Magenta (0%)
- Yellow (41%)
- Black (6%)





- Cyan (50%)
- Magenta (6%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.8624, 0.2990, 0.4581 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 68.8624, 0.2990, 0.4581 by changing the saturation by 10% instead.


 68.8624, 0.2990,
0.4581

 68.8624, 0.2990,
0.4581

456.5455, 0.3080,
0.3935


 50.5997, 0.2962,
0.4740


 117.5850, 0.3027,
0.4348

 35.8901, 0.2922,
0.4941


 148.8137, 0.3040,
0.4259

 24.3493, 0.2864,
0.5205


 185.1331, 0.3050,
0.4185

 15.5930, 0.2776,
0.5561

226.9277, 0.3058,
0.4121

 9.2366, 0.2629,
0.6060

274.5818, 0.3065,
0.4065

 4.8958, 0.2385,
0.6842

328.4799, 0.3071,

 2.1863, 0.1739,

0.4016

0.8261

389.0064, 0.3076,
0.3973

0.7125, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

68.8624, 0.2990,
0.4581

68.8624, 0.2990,
0.4581

66.6462, 0.2969,
0.4908

71.6433, 0.3016,
0.4260

64.9480, 0.2956,
0.5222


75.0149, 0.3046,
0.3958


63.7274, 0.2953,
0.5502


79.0118, 0.3076,
0.3683


62.9345, 0.2959,
0.5727

83.6636, 0.3107,
0.3437

 62.5070, 0.2974,
0.5883

 88.9979, 0.3137,
0.3221

 62.4154, 0.2978,
0.5920

 90.8018, 0.3134,
0.3146

Harmonies

Analogous

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



68.8624, 0.3739, 0.4726



68.8624, 0.2990, 0.4581



68.8624, 0.2318, 0.3898

Triad

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



68.8624, 0.2990, 0.4581



68.8624, 0.1951, 0.2147



68.8624, 0.4523, 0.3274

Complementary

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



68.8624, 0.2990, 0.4581



39.4603, 0.3309, 0.2276

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.



68.8624, 0.3914, 0.2746



68.8624, 0.2990, 0.4581



68.8624, 0.2403, 0.2127

Square

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



68.8624, 0.2990, 0.4581



68.8624, 0.1779, 0.2446



68.8624, 0.3107, 0.2341



68.8624, 0.4678, 0.3850

Rectangle

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



68.8624, 0.2990, 0.4581



68.8624, 0.2004, 0.3326



68.8624, 0.3107, 0.2341



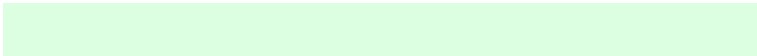
68.8624, 0.4362, 0.3090

Sweetspot

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



68.8653, 0.2990, 0.4581



91.9953, 0.3085, 0.3615



80.2015, 0.3721, 0.4473



19.4557, 0.3078, 0.3671



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.



68.8653, 0.2990, 0.4581



76.5904, 0.2970, 0.4892



70.9469, 0.2711, 0.3835



17.6885, 0.3099, 0.3503



34.1766, 0.2973, 0.5904



2.8534, 0.2923, 0.5723

Inverse Universe

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



39.4603, 0.3309, 0.2276



39.0168, 0.3355, 0.2099



36.9065, 0.3898, 0.2821



15.9954, 0.3157, 0.3086



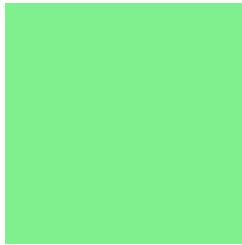
12.7027, 0.3551, 0.1730



1.0662, 0.3500, 0.1702

Previews

White Background



This preview shows how the Yxy color 68.8624, 0.2990, 0.4581 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 68.8624, 0.2990, 0.4581 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 68.8624, 0.2990, 0.4581

Background



This preview shows how black text looks on a background with the Yxy color 68.8624, 0.2990, 0.4581.



This preview shows how white text looks on a background with the Yxy color 68.8624, 0.2990, 0.4581.

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

68.8624, 0.2990, 0.4581

Protanopia

67.9290, 0.3865, 0.4186

Deuteranopia

67.6696, 0.3924, 0.3850



Tritanopia

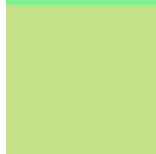
68.7199, 0.2559, 0.3077

Trichromacy



Original Color

68.8624, 0.2990, 0.4581



Protanomaly

66.8246, 0.3497, 0.4338



Deuteranomaly

65.8362, 0.3538, 0.4107



Tritanomaly

68.1069, 0.2717, 0.3589

Monochromacy



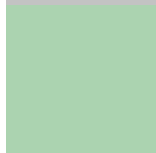
Original Color

68.8624, 0.2990, 0.4581



Achromatopsia

54.5724, 0.3127, 0.3290



Achromatomaly

58.3810, 0.3070, 0.3739

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.8624, 0.2990, 0.4581 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(128, 240, 142)` looks like.

```
.text, #text, p{  
    color:rgb(128, 240, 142)  
}
```

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(128, 240, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 240, 142) }
```

Border

The CSS property to change the border of an element to Yxy 68.8624, 0.2990, 0.4581 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(128, 240, 142) }
```

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

```
.border{ border-color:rgb(128, 240, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 240, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 240, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 240, 142);  
box-shadow:4px 4px 4px 4px rgb(128, 240,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 68.8624, 0.2990, 0.4581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 240, 142) }
```

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

```
.background{ background-color: rgb(128,  
240, 142) }
```

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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