

Converting Colors

Yxy(64.3313, 0.3019, 0.4549)

Have a look what the booklet for
Yxy(64.3313, 0.3019, 0.4549)
contains.

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Color

Yxy(64.2940, 0.3022, 0.4555)

Conversions

Conversions Part 1

Format	Color
Hex	82E88A
RGB	130, 232, 138
RGB Percent	51%, 91%, 54%
CMY	0.4900, 0.0902, 0.4589
CMYK	0.44, 0.00, 0.41, 0.09
HSL	125°, 69%, 71%
HSV	125°, 44%, 91%
XYZ	42.6556, 64.2940, 34.2007
YIQ	190.7860, -30.6180, -50.8580

Conversions

Conversions Part 2

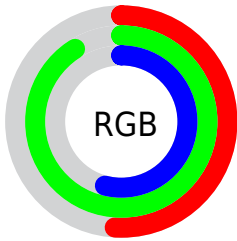
Format	Color
RYB	130, 225, 232
Decimal	8579210
CIELab	84.12, -48.74, 36.67
CIElCh	84, 60.988, 143.045
Yxy	64.2940, 0.3022, 0.4555
Android (android.graphics.Color)	4286769290 (0xFF82E88A)
YUV	190.7860, -26.0235, -53.3093
Hunter-Lab	80.1835, -45.3636, 30.8395

Details

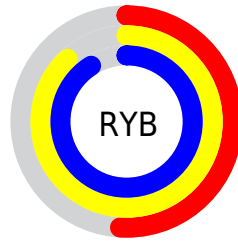
The Yxy color **64.2940, 0.3022, 0.4555** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **38.5218, 0.3251, 0.2288**, and the grayscale version is **52.1450, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.8906, 0.3064, 0.4002**, and **33.1003, 0.2961, 0.4931** is the 20% darker color. If you saturate the color by 10%, you get **62.1035, 0.3002, 0.4895**, and if you desaturate by 10%, it is **67.0256, 0.3045, 0.4223**.

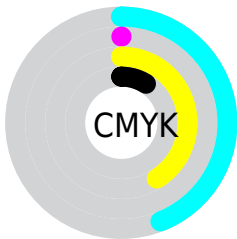
Distribution



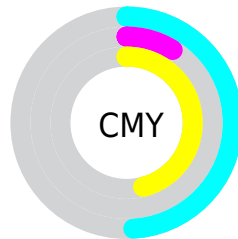
- Red (51%)
- Green (91%)
- Blue (54%)



- Red (51%)
- Yellow (88%)
- Blue (91%)



- Cyan (44%)
- Magenta (0%)
- Yellow (41%)
- Black (9%)




- Cyan (49%)
- Magenta (9%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.2940, 0.3022, 0.4555 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 64.2940, 0.3022, 0.4555 by changing the saturation by 10% instead.

 64.2940, 0.3022,
0.4555


 64.2940, 0.3022,
0.4555


440.2506, 0.3097,
0.3916

 46.8888, 0.2997,
0.4714


 111.0342, 0.3054,
0.4323

 32.9478, 0.2961,
0.4917


 141.1381, 0.3065,
0.4235

 22.0864, 0.2907,
0.5184


 176.2437, 0.3073,
0.4162

 13.9204, 0.2822,
0.5547

216.7353, 0.3080,
0.4098

 8.0653, 0.2677,
0.6064

262.9974, 0.3085,
0.4044

 4.1368, 0.2453,
0.6968

315.4144, 0.3090,

 1.7504, 0.1446,

0.3996

0.8554

374.3706, 0.3094,
0.3954

■ 0.4560, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 64.2940, 0.3022,
0.4555

■ 64.2940, 0.3022,
0.4555

■ 62.1035, 0.3002,
0.4895

■ 67.0256, 0.3045,
0.4223

■ 60.4105, 0.2987,
0.5222

■ 70.3223, 0.3070,
0.3912

■ 59.1784, 0.2979,
0.5513

■ 74.2164, 0.3094,
0.3630


■ 58.3614, 0.2978,
0.5745

■ 78.7354, 0.3118,
0.3380

 57.9044, 0.2985,
0.5901

 83.9052, 0.3141,
0.3161

 57.7554, 0.2989,
0.5959

 86.1916, 0.3138,
0.3068

Harmonies

Analogous

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



64.2940, 0.3751, 0.4682



64.2940, 0.3022, 0.4555



64.2940, 0.2360, 0.3908

Triad

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



64.2940, 0.3022, 0.4555



64.2940, 0.1968, 0.2181



64.2940, 0.4470, 0.3259

Complementary

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



64.2940, 0.3022, 0.4555



38.5218, 0.3251, 0.2288

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.



64.2940, 0.3867, 0.2744



64.2940, 0.3022, 0.4555



64.2940, 0.2402, 0.2150

Square

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



64.2940, 0.3022, 0.4555



64.2940, 0.1810, 0.2485



64.2940, 0.3082, 0.2353



64.2940, 0.4640, 0.3822

Rectangle

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



64.2940, 0.3022, 0.4555



64.2940, 0.2045, 0.3356



64.2940, 0.3082, 0.2353



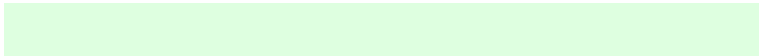
64.2940, 0.4309, 0.3079

Sweetspot

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



64.2967, 0.3022, 0.4555



92.4310, 0.3096, 0.3607



75.3648, 0.3728, 0.4390



19.5376, 0.3091, 0.3666



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.



64.2967, 0.3022, 0.4555



77.1238, 0.3003, 0.4872



66.0853, 0.2757, 0.3865



16.1073, 0.3105, 0.3514



32.0715, 0.2985, 0.5948



2.3763, 0.2947, 0.5809

Inverse Universe

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



38.5218, 0.3251, 0.2288



41.2182, 0.3281, 0.2102



36.2013, 0.3773, 0.2791



14.5949, 0.3150, 0.3076



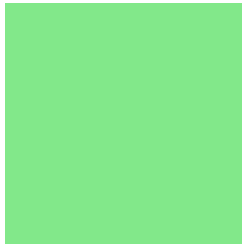
12.2269, 0.3414, 0.1654



0.9093, 0.3381, 0.1636

Previews

White Background



This preview shows how the Yxy color 64.2940, 0.3022, 0.4555 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 64.2940, 0.3022, 0.4555 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

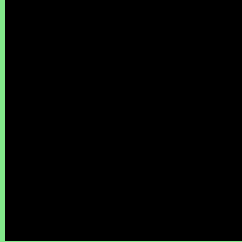
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.2940, 0.3022, 0.4555

Background



This preview shows how black text looks on a background with the Yxy color 64.2940, 0.3022, 0.4555.



This preview shows how white text looks on a background with the Yxy color 64.2940, 0.3022, 0.4555.

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

64.2940, 0.3022, 0.4555

Protanopia

63.6799, 0.3855, 0.4178

Deuteranopia

63.4926, 0.3954, 0.3873



Tritanopia

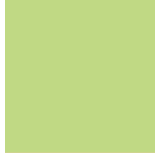
63.9388, 0.2584, 0.3072

Trichromacy



Original Color

64.2940, 0.3022, 0.4555



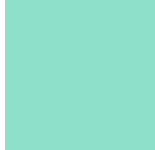
Protanomaly

62.4981, 0.3511, 0.4327



Deuteranomaly

62.1618, 0.3573, 0.4122



Tritanomaly

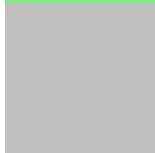
63.4152, 0.2739, 0.3570

Monochromacy



Original Color

64.2940, 0.3022, 0.4555



Achromatopsia

52.0996, 0.3127, 0.3290



Achromatomaly

55.5562, 0.3084, 0.3734

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.2940, 0.3022, 0.4555 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(130, 232, 138)` looks like.

```
.text, #text, p{  
    color:rgb(130, 232, 138)  
}
```

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(130, 232, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 232, 138) }
```

Border

The CSS property to change the border of an element to Yxy 64.2940, 0.3022, 0.4555 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(130, 232, 138) }
```

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

```
.border{ border-color:rgb(130, 232, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 232, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 232, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 232, 138);  
box-shadow:4px 4px 4px 4px rgb(130, 232,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 64.2940, 0.3022, 0.4555 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 232, 138) }
```

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

```
.background{ background-color: rgb(130,  
232, 138) }
```

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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