

Converting Colors

$Y_{xy}(62.9400, 0.2969, 0.4435)$

Have a look what the booklet for
Yxy(62.9400, 0.2969, 0.4435)
contains.

Yxy(63.2272, 0.2973, 0.4443)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(63.2272, 0.2973, 0.4443)

Conversions

Conversions Part 1

Format	Color
Hex	80E691
RGB	128, 230, 145
RGB Percent	50%, 90%, 57%
CMY	0.4981, 0.0980, 0.4313
CMYK	0.44, 0.00, 0.37, 0.10
HSL	130°, 67%, 70%
HSV	130°, 44%, 90%
XYZ	42.3080, 63.2272, 36.7722
YIQ	189.8120, -33.5070, -48.0590

Conversions

Conversions Part 2

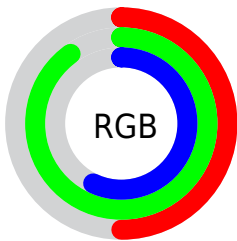
Format	Color
RYB	128, 215, 230
Decimal	8447633
CIELab	83.56, -47.38, 32.38
CIELCh	84, 57.387, 145.650
Yxy	63.2272, 0.2973, 0.4443
Android (android.graphics.Color)	4286637713 (0xFF80E691)
YUV	189.8120, -22.0923, -54.2091
Hunter-Lab	79.5155, -44.1773, 28.2420

Details

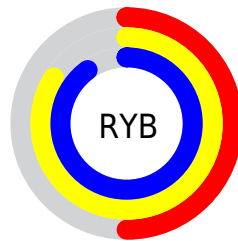
The Yxy color **63.2272, 0.2973, 0.4443** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **37.0569, 0.3341, 0.2364**, and the grayscale version is **51.5213, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.0044, 0.3009, 0.3910**, and **32.4020, 0.2912, 0.4787** is the 20% darker color. If you saturate the color by 10%, you get **61.1022, 0.2948, 0.4756**, and if you desaturate by 10%, it is **65.8613, 0.3004, 0.4141**.

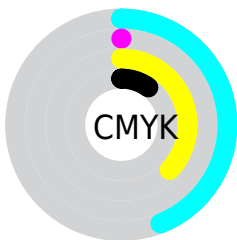
Distribution



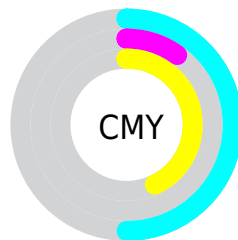
- Red (50%)
- Green (90%)
- Blue (57%)



- Red (50%)
- Yellow (84%)
- Blue (90%)



- Cyan (44%)
- Magenta (0%)
- Yellow (37%)
- Black (10%)




- Cyan (50%)
- Magenta (10%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.2272, 0.2973, 0.4443 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 63.2272, 0.2973, 0.4443 by changing the saturation by 10% instead.


 63.2272, 0.2973,
0.4443


 63.2272, 0.2973,
0.4443

436.3936, 0.3067,
0.3860


 46.0250, 0.2945,
0.4589


 109.4972, 0.3011,
0.4230

 32.2656, 0.2906,
0.4776


 139.3339, 0.3024,
0.4151

 21.5644, 0.2850,
0.5023


 174.1508, 0.3035,
0.4083

 13.5372, 0.2764,
0.5362

214.3324, 0.3043,
0.4026

 7.7995, 0.2621,
0.5852

260.2631, 0.3051,
0.3976

 3.9669, 0.2381,
0.6652

312.3273, 0.3057,

 1.6551, 0.1404,

0.3932

0.8596

370.9093, 0.3062,
0.3894

■ 0.3943, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 63.2272, 0.2973,
0.4443

■ 63.2272, 0.2973,
0.4443

■ 61.1022, 0.2948,
0.4756

■ 65.8613, 0.3004,
0.4141

■ 59.4457, 0.2933,
0.5066


■ 69.0263, 0.3039,
0.3860

■ 58.2238, 0.2928,
0.5353


■ 72.7523, 0.3075,
0.3606

■ 57.3944, 0.2935,
0.5599

■ 77.0646, 0.3111,
0.3380

 56.9068, 0.2952,
0.5788

 81.9874, 0.3147,
0.3181

 56.7405, 0.2963,
0.5867

 85.0776, 0.3138,
0.3049

Harmonies

Analogous

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



63.2272, 0.3669, 0.4617



63.2272, 0.2973, 0.4443



63.2272, 0.2355, 0.3807

Triad

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



63.2272, 0.2973, 0.4443



63.2272, 0.2047, 0.2221



63.2272, 0.4430, 0.3313

Complementary

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



63.2272, 0.2973, 0.4443



37.0569, 0.3341, 0.2364

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.



63.2272, 0.3889, 0.2811



63.2272, 0.2973, 0.4443



63.2272, 0.2487, 0.2210

Square

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



63.2272, 0.2973, 0.4443



63.2272, 0.1872, 0.2492



63.2272, 0.3151, 0.2421



63.2272, 0.4555, 0.3853

Rectangle

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



63.2272, 0.2973, 0.4443



63.2272, 0.2068, 0.3290



63.2272, 0.3151, 0.2421



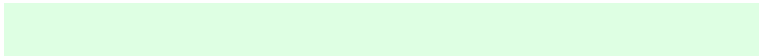
63.2272, 0.4289, 0.3138

Sweetspot

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



63.2298, 0.2973, 0.4443



92.5936, 0.3080, 0.3575



72.3017, 0.3655, 0.4431



19.5772, 0.3072, 0.3629



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.



63.2298, 0.2973, 0.4443



77.4686, 0.2951, 0.4723



65.1700, 0.2700, 0.3732



16.1283, 0.3093, 0.3492



32.1330, 0.2958, 0.5848



2.3863, 0.2890, 0.5605

Inverse Universe

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



37.0569, 0.3341, 0.2364



40.5064, 0.3396, 0.2199



34.8633, 0.3900, 0.2901



14.5717, 0.3163, 0.3096



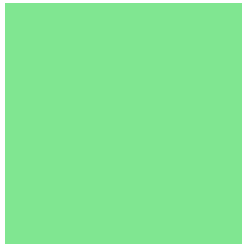
11.6834, 0.3681, 0.1802



0.8744, 0.3601, 0.1757

Previews

White Background



This preview shows how the Yxy color 63.2272, 0.2973, 0.4443 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 63.2272, 0.2973, 0.4443 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

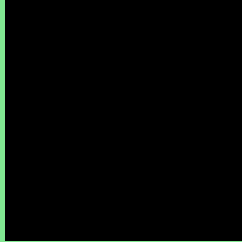
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 63.2272, 0.2973, 0.4443

Background



This preview shows how black text looks on a background with the Yxy color 63.2272, 0.2973, 0.4443.

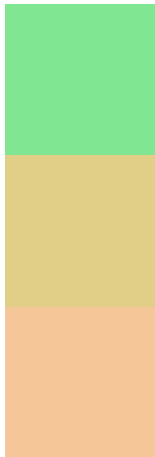


This preview shows how white text looks on a background with the Yxy color 63.2272, 0.2973, 0.4443.

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

63.2272, 0.2973, 0.4443

Protanopia

62.4108, 0.3790, 0.4092

Deuteranopia

62.0676, 0.3875, 0.3786



Tritanopia

63.0734, 0.2572, 0.3071

Trichromacy



Original Color

63.2272, 0.2973, 0.4443



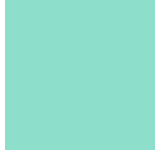
Protanomaly

61.4121, 0.3456, 0.4228



Deuteranomaly

60.8197, 0.3498, 0.4027



Tritanomaly

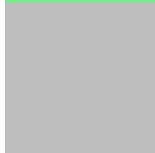
62.7977, 0.2715, 0.3532

Monochromacy



Original Color

63.2272, 0.2973, 0.4443



Achromatopsia

51.4918, 0.3127, 0.3290



Achromatomaly

54.9341, 0.3056, 0.3697

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.2272, 0.2973, 0.4443 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, 230, 145)` looks like.

```
.text, #text, p{  
    color:rgb(128, 230, 145)  
}
```

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, 230, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 230, 145) }
```

Border

The CSS property to change the border of an element to Yxy 63.2272, 0.2973, 0.4443 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, 230, 145) }
```

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

```
.border{ border-color:rgb(128, 230, 145) }
```

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

Here you see how a box with a 4 pixel rgb(128, 230, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 230, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 230, 145);  
box-shadow:4px 4px 4px 4px rgb(128, 230,  
145) }
```


Background

The CSS property to change the background color of an element to Yxy 63.2272, 0.2973, 0.4443 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 230, 145) }
```

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

```
.background{ background-color: rgb(128,  
230, 145) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor