

Converting Colors

$Y_{xy}(63.3591, 0.2915, 0.4325)$

Have a look what the booklet for
Yxy(63.3591, 0.2915, 0.4325)
contains.

Yxy(63.3623, 0.2914, 0.4321)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(63.3623, 0.2914, 0.4321)

Conversions

Conversions Part 1

Format	Color
Hex	7EE69A
RGB	126, 230, 154
RGB Percent	49%, 90%, 60%
CMY	0.5060, 0.0980, 0.3961
CMYK	0.45, 0.00, 0.33, 0.10
HSL	136°, 68%, 70%
HSV	136°, 45%, 90%
XYZ	42.7303, 63.3623, 40.5454
YIQ	190.2400, -37.5880, -45.6840

Conversions

Conversions Part 2

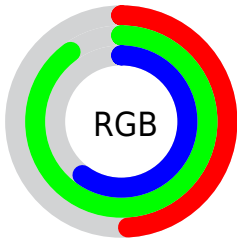
Format	Color
RYB	126, 208, 230
Decimal	8316570
CIELab	83.63, -46.42, 27.89
CIElCh	84, 54.154, 148.998
Yxy	63.3623, 0.2914, 0.4321
Android (android.graphics.Color)	4286506650 (0xFF7EE69A)
YUV	190.2400, -17.8663, -56.3385
Hunter-Lab	79.6004, -43.4802, 25.5202

Details

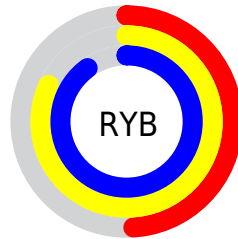
The Yxy color **63.3623, 0.2914, 0.4321** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **36.0041, 0.3455, 0.2451**, and the grayscale version is **51.7569, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.1907, 0.2950, 0.3807**, and **32.4604, 0.2839, 0.4626** is the 20% darker color. If you saturate the color by 10%, you get **61.2918, 0.2883, 0.4600**, and if you desaturate by 10%, it is **65.9183, 0.2954, 0.4055**.

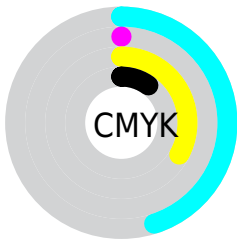
Distribution



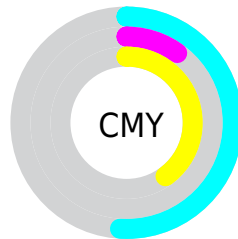
- Red (49%)
- Green (90%)
- Blue (60%)



- Red (49%)
- Yellow (82%)
- Blue (90%)



- Cyan (45%)
- Magenta (0%)
- Yellow (33%)
- Black (10%)




- Cyan (51%)
- Magenta (10%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 63.3623, 0.2914, 0.4321 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 63.3623, 0.2914, 0.4321 by changing the saturation by 10% instead.


 63.3623, 0.2914,
0.4321


 63.3623, 0.2914,
0.4321


436.8832, 0.3032,
0.3801


 46.1344, 0.2882,
0.4451


 109.6920, 0.2959,
0.4132

 32.3519, 0.2838,
0.4618


 139.5626, 0.2975,
0.4061

 21.6304, 0.2778,
0.4838


 174.4162, 0.2989,
0.4001

 13.5856, 0.2690,
0.5143

214.6372, 0.3000,
0.3949

 7.8330, 0.2550,
0.5587

260.6100, 0.3010,
0.3905

 3.9883, 0.2305,
0.6280

312.7190, 0.3018,

 1.6670, 0.1531,

0.3866

0.8469

371.3486, 0.3025,
0.3832

0.4022, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

63.3623, 0.2914,
0.4321

63.3623, 0.2914,
0.4321

61.2918, 0.2883,
0.4600

65.9183, 0.2954,
0.4055

59.6679, 0.2865,
0.4881


68.9803, 0.3000,
0.3808

58.4581, 0.2861,
0.5152

72.5770, 0.3050,
0.3585

57.6221, 0.2873,
0.5397

76.7328, 0.3101,
0.3385

 57.1109, 0.2899,
0.5604

 81.4702, 0.3151,
0.3209

 56.9454, 0.2913,
0.5688

 85.0675, 0.3140,
0.3050

 85.0782, 0.3138,
0.3049

Harmonies

Analogous

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



63.3623, 0.3575, 0.4545



63.3623, 0.2914, 0.4321



63.3623, 0.2345, 0.3696

Triad

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



63.3623, 0.2914, 0.4321



63.3623, 0.2136, 0.2262



63.3623, 0.4391, 0.3375

Complementary

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



63.3623, 0.2914, 0.4321



36.0041, 0.3455, 0.2451

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.



63.3623, 0.3918, 0.2887



63.3623, 0.2914, 0.4321



63.3623, 0.2583, 0.2275

Square

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



63.3623, 0.2914, 0.4321



63.3623, 0.1938, 0.2495



63.3623, 0.3230, 0.2498



63.3623, 0.4465, 0.3889

Rectangle

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



63.3623, 0.2914, 0.4321



63.3623, 0.2089, 0.3216



63.3623, 0.3230, 0.2498



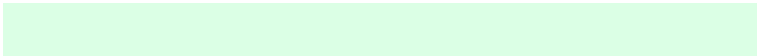
63.3623, 0.4272, 0.3206

Sweetspot

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



63.3649, 0.2914, 0.4321



92.2790, 0.3056, 0.3560



70.6978, 0.3585, 0.4486



19.5240, 0.3045, 0.3606



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.



63.3649, 0.2914, 0.4321



77.6686, 0.2886, 0.4574



65.4754, 0.2641, 0.3601



16.1526, 0.3079, 0.3466



32.2541, 0.2906, 0.5662



2.3986, 0.2826, 0.5375

Inverse Universe

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



36.0041, 0.3455, 0.2451



39.1103, 0.3545, 0.2300



33.9503, 0.4049, 0.3013



14.5455, 0.3179, 0.3120



11.1475, 0.4030, 0.1994



0.8391, 0.3883, 0.1913

Previews

White Background



This preview shows how the Yxy color 63.3623, 0.2914, 0.4321 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 63.3623, 0.2914, 0.4321 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

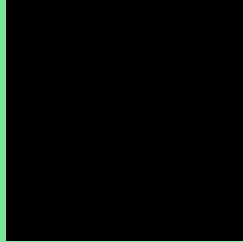
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 63.3623, 0.2914, 0.4321

Background



This preview shows how black text looks on a background with the Yxy color 63.3623, 0.2914, 0.4321.

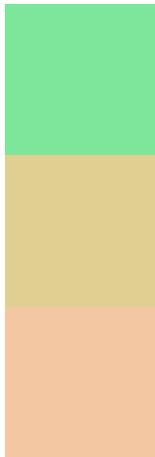


This preview shows how white text looks on a background with the Yxy color 63.3623, 0.2914, 0.4321.

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

63.3623, 0.2914, 0.4321

Protanopia

62.4866, 0.3725, 0.4007

Deuteranopia

62.4747, 0.3783, 0.3703



Tritanopia

63.3206, 0.2558, 0.3082

Trichromacy



Original Color

63.3623, 0.2914, 0.4321



Protanomaly

61.4304, 0.3381, 0.4122



Deuteranomaly

60.8412, 0.3418, 0.3921



Tritanomaly

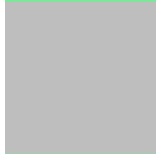
63.2196, 0.2684, 0.3506

Monochromacy



Original Color

63.3623, 0.2914, 0.4321



Achromatopsia

51.4918, 0.3127, 0.3290



Achromatomaly

55.0525, 0.3035, 0.3656

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.3623, 0.2914, 0.4321 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(126, 230, 154)` looks like.

```
.text, #text, p{  
    color:rgb(126, 230, 154)  
}
```

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(126, 230, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 230, 154) }
```

Border

The CSS property to change the border of an element to Yxy 63.3623, 0.2914, 0.4321 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(126, 230, 154) }
```

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

```
.border{ border-color:rgb(126, 230, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 230, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 230, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 230, 154);  
box-shadow:4px 4px 4px 4px rgb(126, 230,  
154) }
```


Background

The CSS property to change the background color of an element to Yxy 63.3623, 0.2914, 0.4321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 230, 154) }
```

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

```
.background{ background-color: rgb(126,  
230, 154) }
```

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