

Converting Colors

$Yxy(63.9171, 0.2668, 0.3415)$

Have a look what the booklet for
Yxy(63.9171, 0.2668, 0.3415)
contains.

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Color

Yxy(63.9171, 0.2668, 0.3415)

Conversions

Conversions Part 1

Format	Color
Hex	8EE0D6
RGB	142, 224, 214
RGB Percent	56%, 88%, 84%
CMY	0.4435, 0.1215, 0.1608
CMYK	0.37, 0.00, 0.04, 0.12
HSL	173°, 57%, 72%
HSV	173°, 37%, 88%
XYZ	49.9358, 63.9171, 73.3128
YIQ	198.3420, -45.6620, -20.4940

Conversions

Conversions Part 2

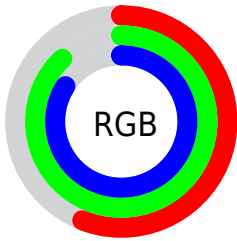
Format	Color
R _Y B	142, 186, 224
Decimal	9363670
CIE Lab	83.92, -27.25, -3.01
CIE LCh	84, 27.413, 186.314
Yxy	63.9171, 0.2668, 0.3415
Android (android.graphics.Color)	4287553750 (0xFF8EE0D6)
YUV	198.3420, 7.7194, -49.4119
Hunter-Lab	79.9482, -28.4178, 1.5945

Details

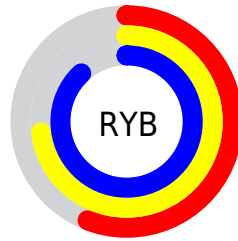
The Yxy color **63.9171, 0.2668, 0.3415** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **37.4369, 0.3905, 0.3173**, and the grayscale version is **56.6535, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.8821, 0.2800, 0.3289**, and **32.5347, 0.2559, 0.3442** is the 20% darker color. If you saturate the color by 10%, you get **61.9960, 0.2571, 0.3455**, and if you desaturate by 10%, it is **66.2438, 0.2780, 0.3377**.

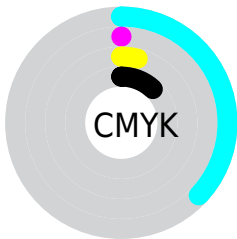
Distribution



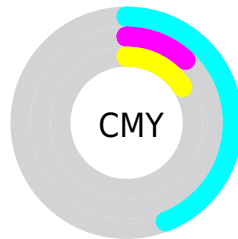
- Red (56%)
- Green (88%)
- Blue (84%)



- Red (56%)
- Yellow (73%)
- Blue (88%)



- Cyan (37%)
- Magenta (0%)
- Yellow (4%)
- Black (12%)





- Cyan (44%)
- Magenta (12%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.9171, 0.2668, 0.3415 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 63.9171, 0.2668, 0.3415 by changing the saturation by 10% instead.


 63.9171, 0.2668,
0.3415

 63.9171, 0.2668,
0.3415


438.8902, 0.2884,
0.3358

 46.5835, 0.2618,
0.3428

 110.4915, 0.2743,
0.3395

 32.7065, 0.2556,
0.3443


 140.5012, 0.2773,
0.3388

 21.9017, 0.2477,
0.3463


175.5050, 0.2798,
0.3381

 13.7847, 0.2373,
0.3488

215.8874, 0.2819,
0.3375

 7.9711, 0.2229,
0.3520

262.0327, 0.2838,
0.3370

 4.0764, 0.2020,
0.3565

314.3253, 0.2855,

 1.7164, 0.1690,

0.3366

0.3627

373.1497, 0.2870,
0.3362

■ 0.4343, 0.0000,
0.3885

■ 0.0000, 0.0000,
0.0000

■ 63.9171, 0.2668,
0.3415

■ 63.9171, 0.2668,
0.3415

■ 61.9960, 0.2571,
0.3455

■ 66.2438, 0.2780,
0.3377

■ 60.4487, 0.2490,
0.3496

■ 68.9903, 0.2903,
0.3342

■ 59.2513, 0.2428,
0.3539

■ 72.1797, 0.3036,
0.3310

■ 58.3737, 0.2385,
0.3581

■ 75.8311, 0.3174,
0.3280

■ 57.7806, 0.2362,
0.3624

■ 79.9623, 0.3315,
0.3254

■ 57.4273, 0.2356,
0.3667

■ 80.3184, 0.3304,
0.3227

■ 57.3368, 0.2356,
0.3681

■ 80.4738, 0.3286,
0.3200

■ 80.6317, 0.3267,
0.3173

■ 80.7919, 0.3249,
0.3146

Harmonies

Analogous

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



63.9171, 0.2954, 0.3722



63.9171, 0.2668, 0.3415



63.9171, 0.2506, 0.3088

Triad

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



63.9171, 0.2668, 0.3415



63.9171, 0.2929, 0.2758



63.9171, 0.3791, 0.3698

Complementary

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



63.9171, 0.2668, 0.3415



37.4369, 0.3905, 0.3173

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.



63.9171, 0.3790, 0.3432



63.9171, 0.2668, 0.3415



63.9171, 0.3277, 0.2909

Square

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



63.9171, 0.2668, 0.3415



63.9171, 0.2650, 0.2731



63.9171, 0.3598, 0.3149



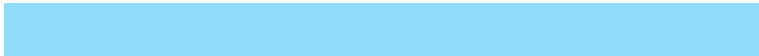
63.9171, 0.3607, 0.3876

Rectangle

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



63.9171, 0.2668, 0.3415



63.9171, 0.2485, 0.2912



63.9171, 0.3598, 0.3149



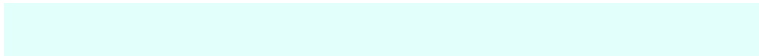
63.9171, 0.3813, 0.3616

Sweetspot

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



63.9197, 0.2668, 0.3415



94.8439, 0.2976, 0.3324



62.0315, 0.3147, 0.4373



20.1757, 0.2958, 0.3328



0.0000, 0.0000, 0.0000



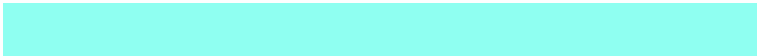
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



63.9197, 0.2668, 0.3415



83.7099, 0.2592, 0.3445



49.6721, 0.2560, 0.2899



15.5420, 0.2998, 0.3319



33.3790, 0.2354, 0.3674



2.3219, 0.2336, 0.3609

Inverse Universe

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



37.4369, 0.3905, 0.3173



43.2626, 0.4155, 0.3150



47.3139, 0.3883, 0.3647



13.7277, 0.3273, 0.3262



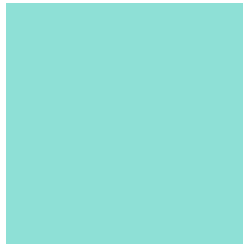
9.2803, 0.6242, 0.3212



0.6524, 0.5909, 0.3029

Previews

White Background



This preview shows how the Yxy color 63.9171, 0.2668, 0.3415 looks on a white background.

Color Contrast Check

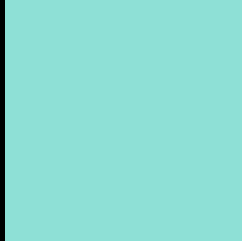
Large Text (above 18pt) WCAG AA × Fail

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 63.9171, 0.2668, 0.3415 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

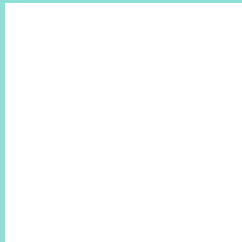
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 63.9171, 0.2668, 0.3415

Background



This preview shows how black text looks on a background with the Yxy color 63.9171, 0.2668, 0.3415.

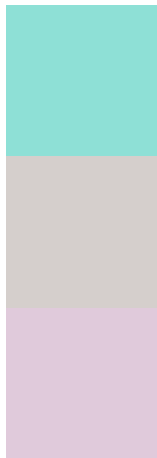


This preview shows how white text looks on a background with the Yxy color 63.9171, 0.2668, 0.3415.

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

63.9171, 0.2668, 0.3415

Protanopia

63.1314, 0.3194, 0.3324

Deuteranopia

63.2028, 0.3174, 0.3103



Tritanopia

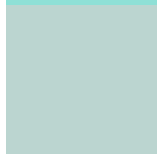
63.6553, 0.2569, 0.3071

Trichromacy



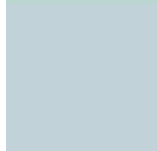
Original Color

63.9171, 0.2668, 0.3415



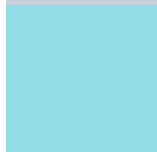
Protanomaly

62.7074, 0.2974, 0.3349



Deuteranomaly

62.5723, 0.2964, 0.3208



Tritanomaly

63.4810, 0.2606, 0.3190

Monochromacy



Original Color

63.9171, 0.2668, 0.3415



Achromatopsia

56.4712, 0.3127, 0.3290



Achromatomaly

58.4503, 0.2935, 0.3326

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.9171, 0.2668, 0.3415 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(142, 224, 214)` looks like.

```
.text, #text, p{  
    color:rgb(142, 224, 214)  
}
```

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(142, 224, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 224, 214) }
```

Border

The CSS property to change the border of an element to Yxy 63.9171, 0.2668, 0.3415 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(142, 224, 214) }
```

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

```
.border{ border-color:rgb(142, 224, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 224, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 224, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 224, 214);  
box-shadow:4px 4px 4px 4px rgb(142, 224,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 63.9171, 0.2668, 0.3415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 224, 214) }
```

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

```
.background{ background-color: rgb(142,  
224, 214) }
```

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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