

Converting Colors

$Yxy(63.1830, 0.2622, 0.3398)$

Have a look what the booklet for
Yxy(63.1830, 0.2622, 0.3398)
contains.

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Color

Yxy(63.2859, 0.2621, 0.3403)

Conversions

Conversions Part 1

Format	Color
Hex	86E0D7
RGB	134, 224, 215
RGB Percent	53%, 88%, 84%
CMY	0.4749, 0.1215, 0.1568
CMYK	0.40, 0.00, 0.04, 0.12
HSL	174°, 59%, 70%
HSV	174°, 40%, 88%
XYZ	48.7430, 63.2859, 73.9420
YIQ	196.0640, -50.7510, -21.8790

Conversions

Conversions Part 2

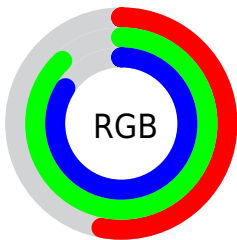
Format	Color
RYB	134, 181, 224
Decimal	8839383
CIELab	83.59, -29.06, -4.08
CIELCh	84, 29.348, 187.999
Yxy	63.2859, 0.2621, 0.3403
Android (android.graphics.Color)	4287029463 (0xFF86E0D7)
YUV	196.0640, 9.3354, -54.4301
Hunter-Lab	79.5524, -29.8471, 0.5781

Details

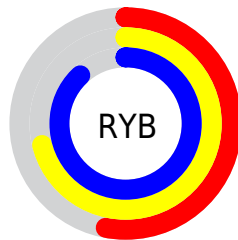
The Yxy color **63.2859, 0.2621, 0.3403** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **34.8567, 0.4040, 0.3186**, and the grayscale version is **55.1979, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.8164, 0.2757, 0.3289**, and **32.1211, 0.2497, 0.3426** is the 20% darker color. If you saturate the color by 10%, you get **61.5257, 0.2528, 0.3436**, and if you desaturate by 10%, it is **65.4425, 0.2730, 0.3372**.

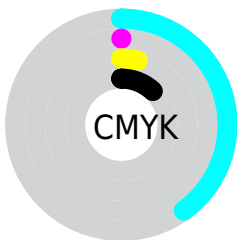
Distribution



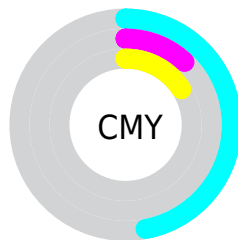
- Red (53%)
- Green (88%)
- Blue (84%)



- Red (53%)
- Yellow (71%)
- Blue (88%)



- Cyan (40%)
- Magenta (0%)
- Yellow (4%)
- Black (12%)





- Cyan (47%)
- Magenta (12%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 63.2859, 0.2621, 0.3403 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 63.2859, 0.2621, 0.3403 by changing the saturation by 10% instead.


 63.2859, 0.2621,
0.3403


 63.2859, 0.2621,
0.3403


436.6063, 0.2859,
0.3353


 46.0725, 0.2566,
0.3414


 109.5819, 0.2704,
0.3386

 32.3031, 0.2498,
0.3427


 139.4333, 0.2736,
0.3379

 21.5931, 0.2411,
0.3444


 174.2661, 0.2764,
0.3373

 13.5582, 0.2297,
0.3464

214.4649, 0.2788,
0.3368

 7.8140, 0.2140,
0.3490

260.4139, 0.2809,
0.3364

 3.9762, 0.1912,
0.3522

312.4975, 0.2827,

 1.6603, 0.1547,

0.3359

371.1002, 0.2844,
0.3356

0.3564

0.3977, 0.0000,
0.3563

0.0000, 0.0000,
0.0000

63.2859, 0.2621,
0.3403

63.2859, 0.2621,
0.3403

61.5257, 0.2528,
0.3436

65.4425, 0.2730,
0.3372

60.1294, 0.2452,
0.3470

68.0106, 0.2852,
0.3343


59.0719, 0.2395,
0.3504


71.0136, 0.2985,
0.3315


58.3215, 0.2358,
0.3539

74.4711, 0.3124,
0.3291


 57.8406, 0.2339,
0.3573


 78.4013, 0.3268,
0.3268

 57.5669, 0.2335,
0.3606

 80.2067, 0.3318,
0.3246

 80.3322, 0.3302,
0.3224

 80.4593, 0.3287,
0.3202

 80.5881, 0.3272,
0.3180

Harmonies

Analogous

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



63.2859, 0.2921, 0.3740



63.2859, 0.2621, 0.3403



63.2859, 0.2458, 0.3053

Triad

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



63.2859, 0.2621, 0.3403



63.2859, 0.2934, 0.2728



63.2859, 0.3834, 0.3739

Complementary

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



63.2859, 0.2621, 0.3403



34.8567, 0.4040, 0.3186

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.



63.2859, 0.3846, 0.3457



63.2859, 0.2621, 0.3403



63.2859, 0.3308, 0.2895

Square

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



63.2859, 0.2621, 0.3403



63.2859, 0.2630, 0.2689



63.2859, 0.3650, 0.3155



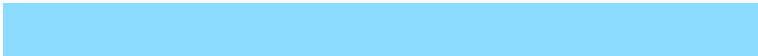
63.2859, 0.3625, 0.3925

Rectangle

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



63.2859, 0.2621, 0.3403



63.2859, 0.2441, 0.2869



63.2859, 0.3650, 0.3155



63.2859, 0.3862, 0.3652

Sweetspot

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



63.2884, 0.2621, 0.3403



94.4558, 0.2959, 0.3320



60.8720, 0.3127, 0.4503



20.0998, 0.2942, 0.3324



0.0000, 0.0000, 0.0000



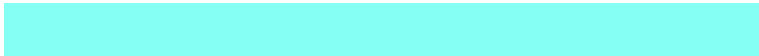
21.4041, 0.3127, 0.3290

Same Dimension

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



63.2884, 0.2621, 0.3403



82.9309, 0.2544, 0.3430



46.3997, 0.2501, 0.2813



15.5475, 0.2995, 0.3313



33.5122, 0.2334, 0.3601



2.3298, 0.2319, 0.3548

Inverse Universe

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



34.8567, 0.4040, 0.3186



39.9650, 0.4332, 0.3167



46.3011, 0.3967, 0.3717



13.7227, 0.3276, 0.3267



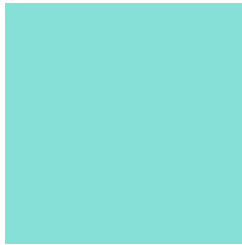
9.2666, 0.6280, 0.3233



0.6500, 0.5991, 0.3074

Previews

White Background



This preview shows how the Yxy color 63.2859, 0.2621, 0.3403 looks on a white background.

Color Contrast Check

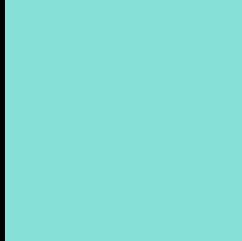
Large Text (above 18pt) WCAG AA × Fail

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 63.2859, 0.2621, 0.3403 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

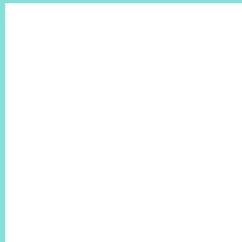
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 63.2859, 0.2621, 0.3403

Background



This preview shows how black text looks on a background with the Yxy color 63.2859, 0.2621, 0.3403.

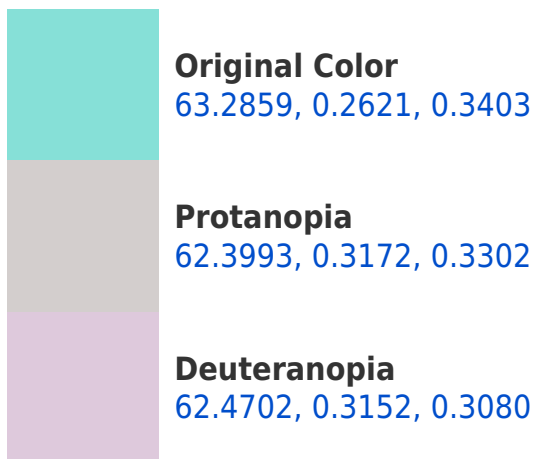


This preview shows how white text looks on a background with the Yxy color 63.2859, 0.2621, 0.3403.

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





Tritanopia

63.4614, 0.2530, 0.3081

Trichromacy



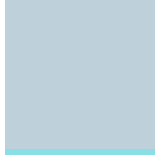
Original Color

63.2859, 0.2621, 0.3403



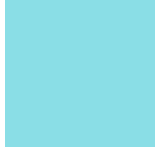
Protanomaly

62.2592, 0.2939, 0.3338



Deuteranomaly

61.6100, 0.2929, 0.3183



Tritanomaly

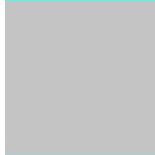
63.3590, 0.2561, 0.3189

Monochromacy



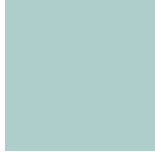
Original Color

63.2859, 0.2621, 0.3403



Achromatopsia

55.2011, 0.3127, 0.3290



Achromatomaly

57.3386, 0.2906, 0.3327

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.2859, 0.2621, 0.3403 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(134, 224, 215)` looks like.

```
.text, #text, p{  
    color:rgb(134, 224, 215)  
}
```

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(134, 224, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 224, 215) }
```

Border

The CSS property to change the border of an element to Yxy 63.2859, 0.2621, 0.3403 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(134, 224, 215) }
```

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

```
.border{ border-color:rgb(134, 224, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 224, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 224, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 224, 215);  
box-shadow:4px 4px 4px 4px rgb(134, 224,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 63.2859, 0.2621, 0.3403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 224, 215) }
```

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

```
.background{ background-color: rgb(134,  
224, 215) }
```

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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