

Converting Colors

$Yxy(63.1485, 0.2771, 0.3583)$

Have a look what the booklet for
Yxy(63.1485, 0.2771, 0.3583)
contains.

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Color

Yxy(63.1485, 0.2771, 0.3583)

Conversions

Conversions Part 1

Format	Color
Hex	93DFC8
RGB	147, 223, 200
RGB Percent	58%, 87%, 78%
CMY	0.4238, 0.1254, 0.2157
CMYK	0.34, 0.00, 0.10, 0.13
HSL	162°, 54%, 73%
HSV	162°, 34%, 87%
XYZ	48.8374, 63.1485, 64.2588
YIQ	197.6540, -37.9130, -23.2650

Conversions

Conversions Part 2

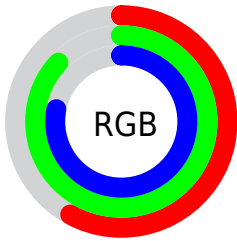
Format	Color
RYB	147, 192, 223
Decimal	9691080
CIELab	83.52, -28.49, 3.83
CIELCh	84, 28.749, 172.350
Yxy	63.1485, 0.2771, 0.3583
Android (android.graphics.Color)	4287881160 (0xFF93DFC8)
YUV	197.6540, 1.1566, -44.4236
Hunter-Lab	79.4660, -29.3648, 7.6824

Details

The Yxy color **63.1485, 0.2771, 0.3583** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **39.4398, 0.3683, 0.3019**, and the grayscale version is **56.2548, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.4365, 0.2822, 0.3289**, and **32.0399, 0.2682, 0.3653** is the 20% darker color. If you saturate the color by 10%, you get **60.9778, 0.2687, 0.3685**, and if you desaturate by 10%, it is **65.7378, 0.2867, 0.3488**.

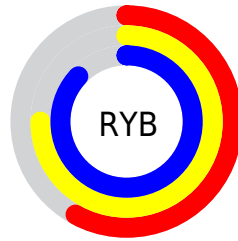
Distribution



Red (58%)

Green (87%)

Blue (78%)



Red (58%)

Yellow (75%)

Blue (87%)

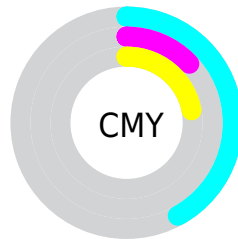


Cyan (34%)

Magenta (0%)

Yellow (10%)

Black (13%)



Cyan (42%)


Magenta (13%)

Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.1485, 0.2771, 0.3583 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 63.1485, 0.2771, 0.3583 by changing the saturation by 10% instead.


 63.1485, 0.2771,
0.3583


 63.1485, 0.2771,
0.3583


436.1082, 0.2941,
0.3442

 45.9614, 0.2731,
0.3617


 109.3837, 0.2831,
0.3533

 32.2153, 0.2681,
0.3659


 139.2006, 0.2854,
0.3514

 21.5260, 0.2616,
0.3715


173.9962, 0.2874,
0.3497

 13.5090, 0.2530,
0.3789

214.1548, 0.2891,
0.3483

 7.7800, 0.2409,
0.3895

260.0609, 0.2906,
0.3471

 3.9545, 0.2227,
0.4058

312.0990, 0.2919,

 1.6481, 0.1916,

0.3460

0.4343

370.6533, 0.2930,
0.3450

■ 0.3897, 0.0000,
0.7131

■ 0.0000, 0.0000,
0.0000

■ 63.1485, 0.2771,
0.3583

■ 63.1485, 0.2771,
0.3583

■ 60.9778, 0.2687,
0.3685

■ 65.7378, 0.2867,
0.3488

■ 59.1947, 0.2617,
0.3794

■ 68.7595, 0.2971,
0.3400

■ 57.7760, 0.2564,
0.3906

■ 72.2362, 0.3081,
0.3320

■ 56.6927, 0.2530,
0.4022

■ 76.1866, 0.3194,
0.3249

■ 55.9114, 0.2517,
0.4138

■ 79.9685, 0.3283,
0.3184

■ 55.3913, 0.2523,
0.4253

■ 80.3631, 0.3237,
0.3118

■ 55.1684, 0.2533,
0.4319

■ 80.7726, 0.3192,
0.3053

■ 81.1972, 0.3148,
0.2989

■ 81.2633, 0.3142,
0.2980

Harmonies

Analogous

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



63.1485, 0.3110, 0.3854



63.1485, 0.2771, 0.3583



63.1485, 0.2535, 0.3231

Triad

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



63.1485, 0.2771, 0.3583



63.1485, 0.2768, 0.2701



63.1485, 0.3853, 0.3594

Complementary

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



63.1485, 0.2771, 0.3583



39.4398, 0.3683, 0.3019

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.



63.1485, 0.3754, 0.3298



63.1485, 0.2771, 0.3583



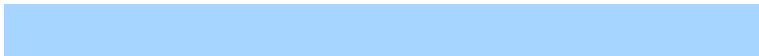
63.1485, 0.3110, 0.2802

Square

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



63.1485, 0.2771, 0.3583



63.1485, 0.2534, 0.2739



63.1485, 0.3476, 0.3016



63.1485, 0.3743, 0.3835

Rectangle

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



63.1485, 0.2771, 0.3583



63.1485, 0.2461, 0.3015



63.1485, 0.3476, 0.3016



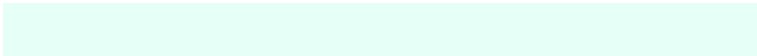
63.1485, 0.3843, 0.3498

Sweetspot

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



63.1511, 0.2771, 0.3583



94.9935, 0.3015, 0.3367



63.5494, 0.3246, 0.4257



20.1930, 0.3000, 0.3378



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.



63.1511, 0.2771, 0.3583



83.3947, 0.2709, 0.3656



57.1603, 0.2623, 0.3113



15.4980, 0.3022, 0.3362



32.4542, 0.2528, 0.4302



2.2652, 0.2480, 0.4126

Inverse Universe

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



39.4398, 0.3683, 0.3019



46.5972, 0.3855, 0.2961



43.2455, 0.3873, 0.3458



13.7685, 0.3245, 0.3219



9.4834, 0.5745, 0.2938



0.6729, 0.5304, 0.2696

Previews

White Background



This preview shows how the Yxy color 63.1485, 0.2771, 0.3583 looks on a white background.

Color Contrast Check

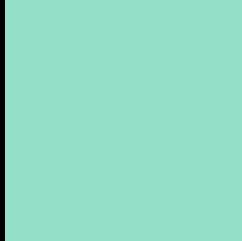
Large Text (above 18pt) WCAG AA × Fail

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 63.1485, 0.2771, 0.3583 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

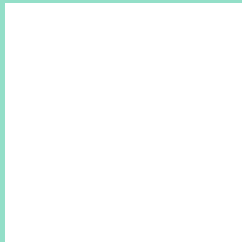
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 63.1485, 0.2771, 0.3583

Background



This preview shows how black text looks on a background with the Yxy color 63.1485, 0.2771, 0.3583.

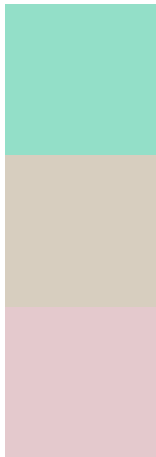


This preview shows how white text looks on a background with the Yxy color 63.1485, 0.2771, 0.3583.

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

63.1485, 0.2771, 0.3583

Protanopia

62.3513, 0.3305, 0.3463

Deuteranopia

62.6750, 0.3310, 0.3246



Tritanopia

63.1095, 0.2618, 0.3084

Trichromacy



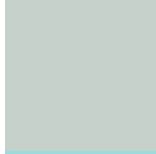
Original Color

63.1485, 0.2771, 0.3583



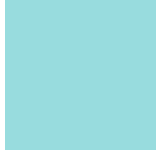
Protanomaly

61.9292, 0.3088, 0.3507



Deuteranomaly

62.0548, 0.3094, 0.3361



Tritanomaly

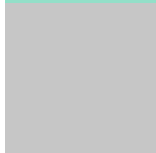
63.1357, 0.2674, 0.3264

Monochromacy



Original Color

63.1485, 0.2771, 0.3583



Achromatopsia

56.4712, 0.3127, 0.3290



Achromatomaly

58.3329, 0.2975, 0.3389

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.1485, 0.2771, 0.3583 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(147, 223, 200)` looks like.

```
.text, #text, p{  
    color:rgb(147, 223, 200)  
}
```

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(147, 223, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 223, 200) }
```

Border

The CSS property to change the border of an element to Yxy 63.1485, 0.2771, 0.3583 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(147, 223, 200) }
```

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

```
.border{ border-color:rgb(147, 223, 200) }
```

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

Here you see how a box with a 4 pixel rgb(147, 223, 200) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 223, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 223, 200);  
box-shadow:4px 4px 4px 4px rgb(147, 223,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 63.1485, 0.2771, 0.3583 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 223, 200) }
```

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

```
.background{ background-color: rgb(147,  
223, 200) }
```

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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