

Converting Colors

$Yxy(63.1690, 0.2692, 0.3586)$

Have a look what the booklet for
Yxy(63.1690, 0.2692, 0.3586)
contains.

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Color

Yxy(63.1830, 0.2692, 0.3586)

Conversions

Conversions Part 1

Format	Color
Hex	86E1CA
RGB	134, 225, 202
RGB Percent	53%, 88%, 79%
CMY	0.4741, 0.1177, 0.2078
CMYK	0.40, 0.00, 0.10, 0.12
HSL	165°, 60%, 70%
HSV	165°, 40%, 88%
XYZ	47.4313, 63.1830, 65.5792
YIQ	195.1690, -46.8530, -26.4450

Conversions

Conversions Part 2

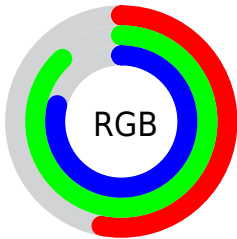
Format	Color
RYB	134, 186, 225
Decimal	8839626
CIELab	83.54, -32.45, 2.72
CIELCh	84, 32.566, 175.214
Yxy	63.1830, 0.2692, 0.3586
Android (android.graphics.Color)	4287029706 (0xFF86E1CA)
YUV	195.1690, 3.3677, -53.6452
Hunter-Lab	79.4877, -32.5904, 6.7258

Details

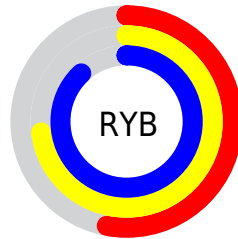
The Yxy color **63.1830, 0.2692, 0.3586** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **35.5239, 0.3885, 0.3021**, and the grayscale version is **54.6960, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.8164, 0.2757, 0.3289**, and **32.1338, 0.2582, 0.3658** is the 20% darker color. If you saturate the color by 10%, you get **61.2629, 0.2612, 0.3674**, and if you desaturate by 10%, it is **65.5115, 0.2786, 0.3503**.

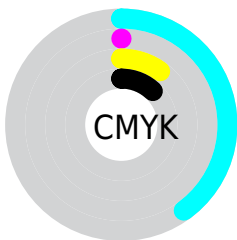
Distribution



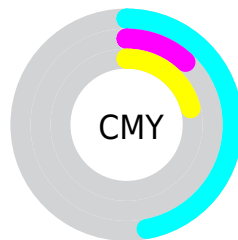
- Red (53%)
- Green (88%)
- Blue (79%)



- Red (53%)
- Yellow (73%)
- Blue (88%)



- Cyan (40%)
- Magenta (0%)
- Yellow (10%)
- Black (12%)





- Cyan (47%)
- Magenta (12%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.1830, 0.2692, 0.3586 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 63.1830, 0.2692, 0.3586 by changing the saturation by 10% instead.


 63.1830, 0.2692,
0.3586


 63.1830, 0.2692,
0.3586

436.2333, 0.2899,
0.3444


 45.9893, 0.2643,
0.3620


 109.4335, 0.2765,
0.3536

 32.2374, 0.2583,
0.3662


 139.2590, 0.2793,
0.3516

 21.5429, 0.2505,
0.3717


 174.0640, 0.2817,
0.3500

 13.5214, 0.2402,
0.3790

214.2327, 0.2837,
0.3486

 7.7885, 0.2257,
0.3894

260.1496, 0.2856,
0.3473

 3.9599, 0.2043,
0.4052

312.1991, 0.2872,

 1.6512, 0.1660,

0.3462

0.4335

370.7655, 0.2886,
0.3453

■ 0.3917, 0.0000,
0.6235

■ 0.0000, 0.0000,
0.0000

■ 63.1830, 0.2692,
0.3586

■ 63.1830, 0.2692,
0.3586

■ 61.2629, 0.2612,
0.3674

■ 65.5115, 0.2786,
0.3503

■ 59.7183, 0.2548,
0.3765


■ 68.2637, 0.2891,
0.3427


■ 58.5235, 0.2503,
0.3859

■ 71.4636, 0.3004,
0.3356


■ 57.6464, 0.2478,
0.3954

■ 75.1309, 0.3122,
0.3292

 57.0487, 0.2473,
0.4049


 79.2842, 0.3243,
0.3235

 56.6743, 0.2483,
0.4139

 81.1674, 0.3265,
0.3180

 81.5036, 0.3227,
0.3125

 81.8504, 0.3189,
0.3070

 82.2080, 0.3152,
0.3016

Harmonies

Analogous

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



63.1830, 0.3066, 0.3913



63.1830, 0.2692, 0.3586



63.1830, 0.2443, 0.3182

Triad

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



63.1830, 0.2692, 0.3586



63.1830, 0.2754, 0.2634



63.1830, 0.3947, 0.3657

Complementary

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



63.1830, 0.2692, 0.3586



35.5239, 0.3885, 0.3021

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.



63.1830, 0.3860, 0.3327



63.1830, 0.2692, 0.3586



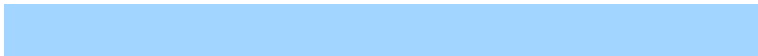
63.1830, 0.3146, 0.2761

Square

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



63.1830, 0.2692, 0.3586



63.1830, 0.2478, 0.2657



63.1830, 0.3558, 0.3008



63.1830, 0.3800, 0.3923

Rectangle

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



63.1830, 0.2692, 0.3586



63.1830, 0.2373, 0.2944



63.1830, 0.3558, 0.3008



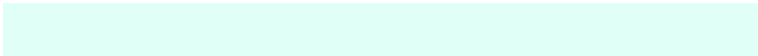
63.1830, 0.3945, 0.3550

Sweetspot

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



63.1855, 0.2692, 0.3586



94.1630, 0.2985, 0.3368



62.8717, 0.3229, 0.4471



20.0306, 0.2970, 0.3377



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.



63.1855, 0.2692, 0.3586



81.8589, 0.2627, 0.3655



53.5955, 0.2530, 0.3015



15.5100, 0.3015, 0.3350



32.6825, 0.2479, 0.4125



2.2795, 0.2439, 0.3980

Inverse Universe

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



35.5239, 0.3885, 0.3021



40.5896, 0.4117, 0.2971



41.2778, 0.4046, 0.3544



13.7571, 0.3252, 0.3231



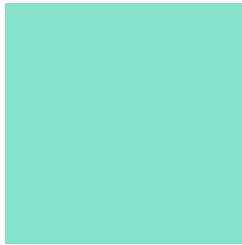
9.4098, 0.5913, 0.3031



0.6665, 0.5473, 0.2789

Previews

White Background



This preview shows how the Yxy color 63.1830, 0.2692, 0.3586 looks on a white background.

Color Contrast Check

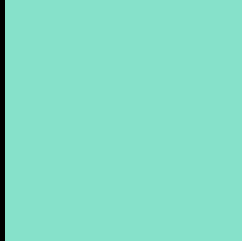
Large Text (above 18pt) WCAG AA × Fail

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 63.1830, 0.2692, 0.3586 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

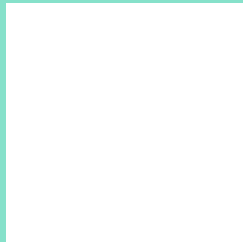
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 63.1830, 0.2692, 0.3586

Background



This preview shows how black text looks on a background with the Yxy color 63.1830, 0.2692, 0.3586.

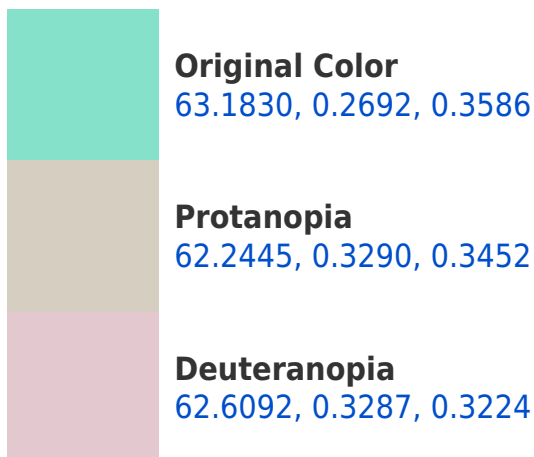


This preview shows how white text looks on a background with the Yxy color 63.1830, 0.2692, 0.3586.

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

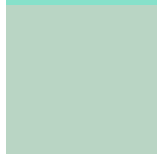
63.1991, 0.2543, 0.3070

Trichromacy



Original Color

63.1830, 0.2692, 0.3586



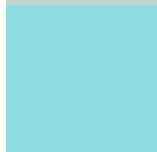
Protanomaly

61.8883, 0.3038, 0.3497



Deuteranomaly

61.8384, 0.3036, 0.3349



Tritanomaly

63.2542, 0.2597, 0.3251

Monochromacy



Original Color

63.1830, 0.2692, 0.3586



Achromatopsia

54.5724, 0.3127, 0.3290



Achromatomaly

57.1041, 0.2939, 0.3390

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.1830, 0.2692, 0.3586 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, 225, 202)` looks like.

```
.text, #text, p{  
    color:rgb(134, 225, 202)  
}
```

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, 225, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 225, 202) }
```

Border

The CSS property to change the border of an element to Yxy 63.1830, 0.2692, 0.3586 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, 225, 202) }
```

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

```
.border{ border-color:rgb(134, 225, 202) }
```

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

Here you see how a box with a 4 pixel rgb(134, 225, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 225, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 225, 202);  
box-shadow:4px 4px 4px 4px rgb(134, 225,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 63.1830, 0.2692, 0.3586 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 225, 202) }
```

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

```
.background{ background-color: rgb(134,  
225, 202) }
```

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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