

Converting Colors

$Y_{xy}(57.7586, 0.2662, 0.3392)$

Have a look what the booklet for
Yxy(57.7586, 0.2662, 0.3392)
contains.

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Color

Yxy(57.7836, 0.2663, 0.3393)

Conversions

Conversions Part 1

Format	Color
Hex	88D6CE
RGB	136, 214, 206
RGB Percent	53%, 84%, 81%
CMY	0.4664, 0.1608, 0.1921
CMYK	0.36, 0.00, 0.04, 0.16
HSL	174°, 49%, 69%
HSV	174°, 36%, 84%
XYZ	45.3515, 57.7836, 67.1673
YIQ	189.7660, -43.9200, -19.0240

Conversions

Conversions Part 2

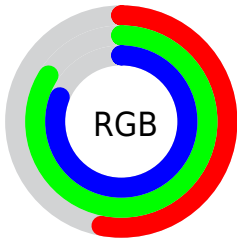
Format	Color
RYB	136, 177, 214
Decimal	8967886
CIELab	80.62, -25.75, -3.67
CIELCh	81, 26.009, 188.112
Yxy	57.7836, 0.2663, 0.3393
Android (android.graphics.Color)	4287157966 (0xFF88D6CE)
YUV	189.7660, 8.0034, -47.1528
Hunter-Lab	76.0155, -26.5325, 0.8223

Details

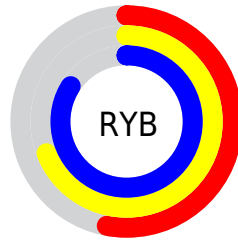
The Yxy color **57.7836, 0.2663, 0.3393** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **33.9405, 0.3912, 0.3193**, and the grayscale version is **51.3344, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.9465, 0.2762, 0.3289**, and **28.8126, 0.2542, 0.3414** is the 20% darker color. If you saturate the color by 10%, you get **56.0625, 0.2564, 0.3426**, and if you desaturate by 10%, it is **59.8685, 0.2777, 0.3362**.

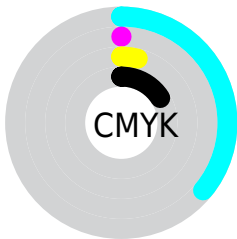
Distribution



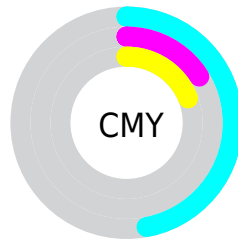
- Red (53%)
- Green (84%)
- Blue (81%)



- Red (53%)
- Yellow (69%)
- Blue (84%)



- Cyan (36%)
- Magenta (0%)
- Yellow (4%)
- Black (16%)




- Cyan (47%)
- Magenta (16%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 57.7836, 0.2663, 0.3393 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 57.7836, 0.2663, 0.3393 by changing the saturation by 10% instead.


 57.7836, 0.2663,
0.3393


 57.7836, 0.2663,
0.3393


416.3791, 0.2885,
0.3346

 41.6347, 0.2611,
0.3403

 101.6077, 0.2741,
0.3377

 28.8154, 0.2545,
0.3416


 130.0516, 0.2771,
0.3371

 18.9412, 0.2461,
0.3432


 163.3627, 0.2797,
0.3365

 11.6278, 0.2348,
0.3452

201.9253, 0.2819,
0.3360

 6.4908, 0.2191,
0.3478

246.1239, 0.2839,
0.3356

 3.1457, 0.1957,
0.3512

296.3428, 0.2856,

 1.2083, 0.1457,

0.3352

352.9664, 0.2871,
0.3349

0.3602

0.0685, 0.0000,
0.1713

0.0000, 0.0000,
0.0000

57.7836, 0.2663,
0.3393

57.7836, 0.2663,
0.3393

56.0625, 0.2564,
0.3426

59.8685, 0.2777,
0.3362

54.6770, 0.2481,
0.3460


62.3299, 0.2903,
0.3333


53.6056, 0.2417,
0.3495


65.1884, 0.3038,
0.3306

52.8216, 0.2372,
0.3530


68.4610, 0.3178,
0.3282

 52.2938, 0.2346,
0.3566

 72.1637, 0.3322,
0.3260


 51.9826, 0.2338,
0.3601

 74.4703, 0.3396,
0.3239

 51.8980, 0.2337,
0.3613

 74.5865, 0.3380,
0.3217

 74.7042, 0.3364,
0.3195

 74.8234, 0.3349,
0.3173

Harmonies

Analogous

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



57.7836, 0.2938, 0.3698



57.7836, 0.2663, 0.3393



57.7836, 0.2513, 0.3075

Triad

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



57.7836, 0.2663, 0.3393



57.7836, 0.2952, 0.2773



57.7836, 0.3773, 0.3705

Complementary

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



57.7836, 0.2663, 0.3393



33.9405, 0.3912, 0.3193

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.



57.7836, 0.3783, 0.3447



57.7836, 0.2663, 0.3393



57.7836, 0.3295, 0.2928

Square

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



57.7836, 0.2663, 0.3393



57.7836, 0.2672, 0.2739



57.7836, 0.3605, 0.3168



57.7836, 0.3583, 0.3871

Rectangle

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



57.7836, 0.2663, 0.3393



57.7836, 0.2498, 0.2906



57.7836, 0.3605, 0.3168



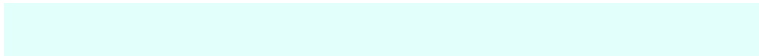
57.7836, 0.3798, 0.3625

Sweetspot

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



57.7859, 0.2663, 0.3393



94.8793, 0.2973, 0.3318



55.9028, 0.3138, 0.4364



20.1842, 0.2955, 0.3322



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.



57.7859, 0.2663, 0.3393



83.8445, 0.2582, 0.3419



44.4280, 0.2563, 0.2885



14.0850, 0.2996, 0.3314



31.3814, 0.2336, 0.3608



1.8992, 0.2319, 0.3547

Inverse Universe

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



33.9405, 0.3912, 0.3193



43.1873, 0.4180, 0.3173



43.3269, 0.3869, 0.3659



12.4412, 0.3275, 0.3266



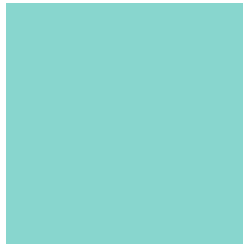
8.6831, 0.6273, 0.3229



0.5309, 0.5945, 0.3049

Previews

White Background



This preview shows how the Yxy color 57.7836, 0.2663, 0.3393 looks on a white background.

Color Contrast Check

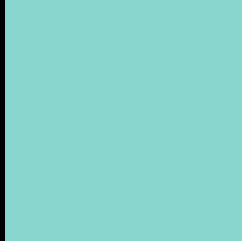
Large Text (above 18pt) WCAG AA × Fail

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 57.7836, 0.2663, 0.3393 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

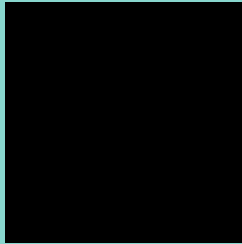
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

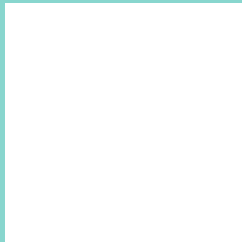
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 57.7836, 0.2663, 0.3393

Background



This preview shows how black text looks on a background with the Yxy color 57.7836, 0.2663, 0.3393.



This preview shows how white text looks on a background with the Yxy color 57.7836, 0.2663, 0.3393.

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

57.7836, 0.2663, 0.3393

Protanopia

57.1159, 0.3174, 0.3302

Deuteranopia

56.9392, 0.3160, 0.3095



Tritanopia

57.9408, 0.2572, 0.3075

Trichromacy



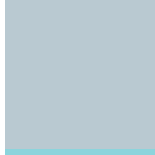
Original Color

57.7836, 0.2663, 0.3393



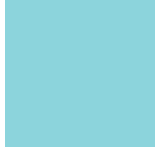
Protanomaly

56.9396, 0.2968, 0.3339



Deuteranomaly

56.6910, 0.2951, 0.3192



Tritanomaly

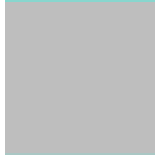
57.8297, 0.2605, 0.3186

Monochromacy



Original Color

57.7836, 0.2663, 0.3393



Achromatopsia

51.4918, 0.3127, 0.3290



Achromatomaly

53.3784, 0.2928, 0.3328

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.7836, 0.2663, 0.3393 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(136, 214, 206)` looks like.

```
.text, #text, p{  
    color:rgb(136, 214, 206)  
}
```

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(136, 214, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 214, 206) }
```

Border

The CSS property to change the border of an element to Yxy 57.7836, 0.2663, 0.3393 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(136, 214, 206) }
```

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

```
.border{ border-color:rgb(136, 214, 206) }
```

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

Here you see how a box with a 4 pixel rgb(136, 214, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 214, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 214, 206);  
box-shadow:4px 4px 4px 4px rgb(136, 214,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 57.7836, 0.2663, 0.3393 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 214, 206) }
```

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

```
.background{ background-color: rgb(136,  
214, 206) }
```

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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