

Converting Colors

$Y_{xy}(57.5003, 0.2866, 0.3930)$

Have a look what the booklet for
Yxy(57.5003, 0.2866, 0.3930)
contains.

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Color

Yxy(57.6789, 0.2867, 0.3932)

Conversions

Conversions Part 1

Format	Color
Hex	87D9AA
RGB	135, 217, 170
RGB Percent	53%, 85%, 67%
CMY	0.4708, 0.1490, 0.3333
CMYK	0.38, 0.00, 0.22, 0.15
HSL	146°, 52%, 69%
HSV	146°, 38%, 85%
XYZ	42.0563, 57.6789, 46.9558
YIQ	187.1240, -33.7850, -32.0010

Conversions

Conversions Part 2

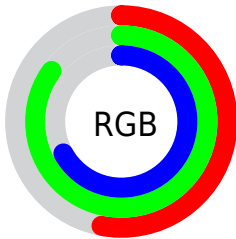
Format	Color
RYB	135, 192, 217
Decimal	8903082
CIELab	80.56, -35.20, 15.38
CIElCh	81, 38.412, 156.397
Yxy	57.6789, 0.2867, 0.3932
Android (android.graphics.Color)	4287093162 (0xFF87D9AA)
YUV	187.1240, -8.4421, -45.7127
Hunter-Lab	75.9466, -34.0602, 16.5052

Details

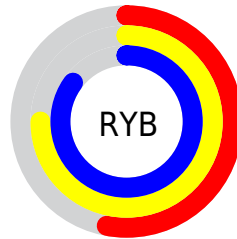
The Yxy color **57.6789, 0.2867, 0.3932** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **35.4445, 0.3521, 0.2730**, and the grayscale version is **49.8271, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.0326, 0.2911, 0.3617**, and **28.8980, 0.2791, 0.4118** is the 20% darker color. If you saturate the color by 10%, you get **55.6132, 0.2814, 0.4141**, and if you desaturate by 10%, it is **60.1606, 0.2929, 0.3738**.

Distribution



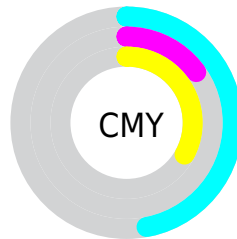
- Red (53%)
- Green (85%)
- Blue (67%)



- Red (53%)
- Yellow (75%)
- Blue (85%)



- Cyan (38%)
- Magenta (0%)
- Yellow (22%)
- Black (15%)





- Cyan (47%)
- Magenta (15%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.6789, 0.2867, 0.3932 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 57.6789, 0.2867, 0.3932 by changing the saturation by 10% instead.

 57.6789, 0.2867,
0.3932


 57.6789, 0.2867,
0.3932

415.9884, 0.2999,
0.3609


 41.5506, 0.2834,
0.4013


 101.4551, 0.2915,
0.3814

 28.7495, 0.2790,
0.4118


 129.8718, 0.2933,
0.3770

 18.8914, 0.2732,
0.4257


 163.1533, 0.2949,
0.3733

 11.5919, 0.2651,
0.4452

201.6842, 0.2962,
0.3701

 6.4664, 0.2528,
0.4743

245.8487, 0.2973,
0.3673

 3.1307, 0.2324,
0.5220

296.0313, 0.2983,

 1.2003, 0.1527,

0.3649

0.7275

352.6164, 0.2991,
0.3628

0.0620, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

57.6789, 0.2867,
0.3932

57.6789, 0.2867,
0.3932

55.6132, 0.2814,
0.4141

60.1606, 0.2929,
0.3738

53.9328, 0.2774,
0.4360

63.0729, 0.2998,
0.3561


52.6137, 0.2749,
0.4585


66.4384, 0.3070,
0.3402


51.6266, 0.2743,
0.4809


70.2759, 0.3143,
0.3260


 50.9367, 0.2757,
0.5023

 74.6032, 0.3216,
0.3135

 50.4960, 0.2788,
0.5221

 77.4582, 0.3214,
0.3019

 50.4164, 0.2795,
0.5262

 78.1109, 0.3145,
0.2920

Harmonies

Analogous

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



57.6789, 0.3358, 0.4183



57.6789, 0.2867, 0.3932



57.6789, 0.2467, 0.3464

Triad

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



57.6789, 0.2867, 0.3932



57.6789, 0.2449, 0.2498



57.6789, 0.4094, 0.3474

Complementary

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



57.6789, 0.2867, 0.3932



35.4445, 0.3521, 0.2730

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.



57.6789, 0.3813, 0.3083



57.6789, 0.2867, 0.3932



57.6789, 0.2838, 0.2544

Square

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



57.6789, 0.2867, 0.3932



57.6789, 0.2243, 0.2642



57.6789, 0.3339, 0.2753



57.6789, 0.4086, 0.3855

Rectangle

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



57.6789, 0.2867, 0.3932



57.6789, 0.2298, 0.3132



57.6789, 0.3339, 0.2753



57.6789, 0.4030, 0.3341

Sweetspot

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



57.6813, 0.2867, 0.3932



94.0710, 0.3046, 0.3453



61.4243, 0.3421, 0.4317



19.9911, 0.3036, 0.3474



0.0000, 0.0000, 0.0000



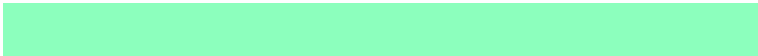
21.4041, 0.3127, 0.3290

Same Dimension

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



57.6813, 0.2867, 0.3932



80.8037, 0.2826, 0.4089



59.4400, 0.2639, 0.3377



14.6982, 0.3058, 0.3427



30.5365, 0.2788, 0.5235



1.9953, 0.2698, 0.4911

Inverse Universe

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



35.4445, 0.3521, 0.2730



44.5439, 0.3634, 0.2620



34.0162, 0.3975, 0.3209



13.1759, 0.3203, 0.3157



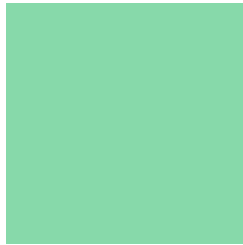
9.8366, 0.4645, 0.2332



0.6544, 0.4347, 0.2169

Previews

White Background



This preview shows how the Yxy color 57.6789, 0.2867, 0.3932 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 57.6789, 0.2867, 0.3932 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

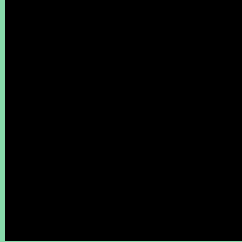
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 57.6789, 0.2867, 0.3932

Background



This preview shows how black text looks on a background with the Yxy color 57.6789, 0.2867, 0.3932.

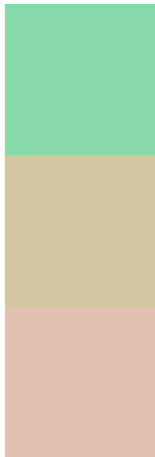


This preview shows how white text looks on a background with the Yxy color 57.6789, 0.2867, 0.3932.

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

57.6789, 0.2867, 0.3932

Protanopia

57.2689, 0.3513, 0.3745

Deuteranopia

57.1253, 0.3555, 0.3485



Tritanopia

57.2950, 0.2606, 0.3075

Trichromacy



Original Color

57.6789, 0.2867, 0.3932



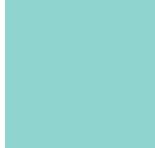
Protanomaly

56.8902, 0.3247, 0.3825



Deuteranomaly

56.2598, 0.3277, 0.3638



Tritanomaly

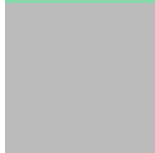
57.3828, 0.2700, 0.3367

Monochromacy



Original Color

57.6789, 0.2867, 0.3932



Achromatopsia

49.6933, 0.3127, 0.3290



Achromatomaly

52.0492, 0.3016, 0.3514

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.6789, 0.2867, 0.3932 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(135, 217, 170)` looks like.

```
.text, #text, p{  
    color:rgb(135, 217, 170)  
}
```

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(135, 217, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 217, 170) }
```

Border

The CSS property to change the border of an element to Yxy 57.6789, 0.2867, 0.3932 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(135, 217, 170) }
```

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

```
.border{ border-color:rgb(135, 217, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 217, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 217, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 217, 170);  
box-shadow:4px 4px 4px 4px rgb(135, 217,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 57.6789, 0.2867, 0.3932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 217, 170) }
```

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

```
.background{ background-color: rgb(135,  
217, 170) }
```

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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