

Converting Colors

$Yxy(48.8387, 0.2755, 0.3428)$

Have a look what the booklet for
Yxy(48.8387, 0.2755, 0.3428)
contains.

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Color

Yxy(48.8387, 0.2755, 0.3428)

Conversions

Conversions Part 1

Format	Color
Hex	89C5BB
RGB	137, 197, 187
RGB Percent	54%, 77%, 73%
CMY	0.4628, 0.2274, 0.2666
CMYK	0.30, 0.00, 0.05, 0.23
HSL	170°, 34%, 65%
HSV	170°, 30%, 77%
XYZ	39.2505, 48.8387, 54.3808
YIQ	177.9200, -32.5500, -15.8300

Conversions

Conversions Part 2

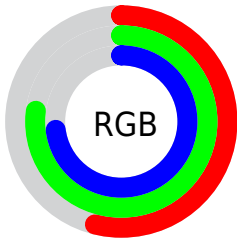
Format	Color
RYB	137, 170, 197
Decimal	9029051
CIELab	75.35, -21.41, -1.18
CIELCh	75, 21.447, 183.153
Yxy	48.8387, 0.2755, 0.3428
Android (android.graphics.Color)	4287219131 (0xFF89C5BB)
YUV	177.9200, 4.4764, -35.8868
Hunter-Lab	69.8847, -22.0444, 2.7828

Details

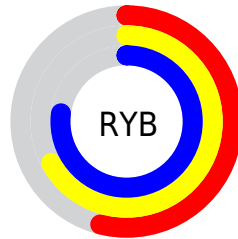
The Yxy color **48.8387, 0.2755, 0.3428** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **31.8611, 0.3691, 0.3159**, and the grayscale version is **44.4638, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.5612, 0.2822, 0.3407**, and **23.2510, 0.2649, 0.3463** is the 20% darker color. If you saturate the color by 10%, you get **47.1865, 0.2653, 0.3481**, and if you desaturate by 10%, it is **50.8020, 0.2869, 0.3379**.

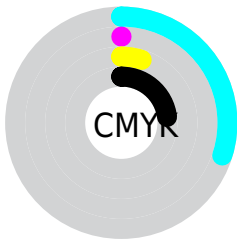
Distribution



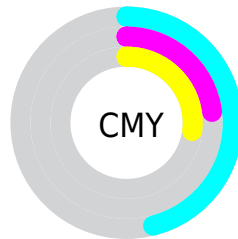
- Red (54%)
- Green (77%)
- Blue (73%)



- Red (54%)
- Yellow (67%)
- Blue (77%)



- Cyan (30%)
- Magenta (0%)
- Yellow (5%)
- Black (23%)



- Cyan (46%)
- Magenta (23%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.8387, 0.2755, 0.3428 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 48.8387, 0.2755, 0.3428 by changing the saturation by 10% instead.


 48.8387, 0.2755,
0.3428


 48.8387, 0.2755,
0.3428


382.1070, 0.2939,
0.3361


 34.4915, 0.2710,
0.3444


 88.4518, 0.2821,
0.3404

 23.2715, 0.2652,
0.3465

 114.4866, 0.2846,
0.3395

 14.7941, 0.2576,
0.3492


 145.1861, 0.2867,
0.3387

 8.6750, 0.2472,
0.3529

180.9345, 0.2886,
0.3380

 4.5298, 0.2319,
0.3583

222.1165, 0.2902,
0.3374

 1.9741, 0.2076,
0.3666

269.1163, 0.2916,

 0.5924, 0.0296,

0.3369

0.4355

322.3183, 0.2928,
0.3365

0.0000, 0.0000,
0.0000

48.8387, 0.2755,
0.3428

48.8387, 0.2755,
0.3428

47.1865, 0.2653,
0.3481

50.8020, 0.2869,
0.3379

45.8229, 0.2565,
0.3536

53.0858, 0.2992,
0.3333

44.7317, 0.2495,
0.3594


55.7064, 0.3121,
0.3292


43.8928, 0.2443,
0.3653

58.6772, 0.3254,
0.3254


43.2829, 0.2410,
0.3712


62.0109, 0.3388,
0.3221


 42.8748, 0.2396,
0.3771

 65.6855, 0.3519,
0.3192

 42.6242, 0.2397,
0.3828

 65.8473, 0.3493,
0.3158

 66.0123, 0.3467,
0.3125

 66.1808, 0.3442,
0.3092

Harmonies

Analogous

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



48.8387, 0.3011, 0.3678



48.8387, 0.2755, 0.3428



48.8387, 0.2601, 0.3148

Triad

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



48.8387, 0.2755, 0.3428



48.8387, 0.2929, 0.2822



48.8387, 0.3703, 0.3622

Complementary

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



48.8387, 0.2755, 0.3428



31.8611, 0.3691, 0.3159

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.



48.8387, 0.3683, 0.3390



48.8387, 0.2755, 0.3428



48.8387, 0.3225, 0.2943

Square

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



48.8387, 0.2755, 0.3428



48.8387, 0.2698, 0.2813



48.8387, 0.3505, 0.3146



48.8387, 0.3562, 0.3782

Rectangle

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



48.8387, 0.2755, 0.3428



48.8387, 0.2572, 0.2989



48.8387, 0.3505, 0.3146



48.8387, 0.3716, 0.3550

Sweetspot

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



48.8407, 0.2755, 0.3428



95.6606, 0.3009, 0.3328



47.9425, 0.3163, 0.4153



20.3354, 0.2990, 0.3334



0.0000, 0.0000, 0.0000



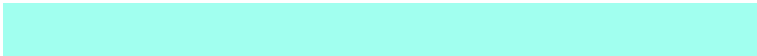
21.4041, 0.3127, 0.3290

Same Dimension

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



48.8407, 0.2755, 0.3428



85.3105, 0.2681, 0.3465



40.7908, 0.2661, 0.3006



12.0361, 0.3006, 0.3329



28.0442, 0.2394, 0.3820



1.3362, 0.2360, 0.3697

Inverse Universe

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



31.8611, 0.3691, 0.3159



49.7761, 0.3882, 0.3127



37.7859, 0.3727, 0.3556



10.6653, 0.3264, 0.3252



7.8875, 0.6140, 0.3156



0.3827, 0.5606, 0.2862

Previews

White Background



This preview shows how the Yxy color 48.8387, 0.2755, 0.3428 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 48.8387, 0.2755, 0.3428 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

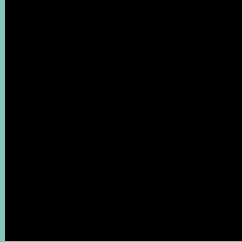
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

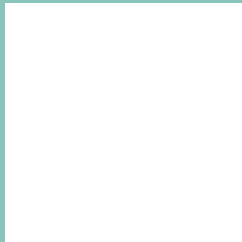
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.8387, 0.2755, 0.3428

Background



This preview shows how black text looks on a background with the Yxy color 48.8387, 0.2755, 0.3428.



This preview shows how white text looks on a background with the Yxy color 48.8387, 0.2755, 0.3428.

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

48.8387, 0.2755, 0.3428

Protanopia

48.3951, 0.3201, 0.3341

Deuteranopia

48.2811, 0.3212, 0.3143



Tritanopia

48.9378, 0.2648, 0.3089

Trichromacy



Original Color

48.8387, 0.2755, 0.3428

Protanomaly

48.3601, 0.3018, 0.3369

Deuteranomaly

48.1826, 0.3023, 0.3238

Tritanomaly

48.8227, 0.2685, 0.3207

Monochromacy



Original Color

48.8387, 0.2755, 0.3428

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

45.8206, 0.2977, 0.3344

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.8387, 0.2755, 0.3428 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(137, 197, 187)` looks like.

```
.text, #text, p{  
    color:rgb(137, 197, 187)  
}
```

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(137, 197, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 197, 187) }
```

Border

The CSS property to change the border of an element to Yxy 48.8387, 0.2755, 0.3428 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(137, 197, 187) }
```

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

```
.border{ border-color:rgb(137, 197, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 197, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(137, 197, 187); -webkit-box-shadow:4px 4px 4px 4px rgb(137, 197, 187); box-shadow:4px 4px 4px 4px rgb(137, 197, 187) }
```


Background

The CSS property to change the background color of an element to Yxy 48.8387, 0.2755, 0.3428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 197, 187) }
```

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

```
.background{ background-color: rgb(137,  
197, 187) }
```

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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