

Converting Colors

$Y_{xy}(47.0039, 0.2776, 0.3416)$

Have a look what the booklet for
Yxy(47.0039, 0.2776, 0.3416)
contains.

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Color

Yxy(47.0039, 0.2776, 0.3416)

Conversions

Conversions Part 1

Format	Color
Hex	8AC1B8
RGB	138, 193, 184
RGB Percent	54%, 76%, 72%
CMY	0.4589, 0.2431, 0.2785
CMYK	0.29, 0.00, 0.05, 0.24
HSL	170°, 31%, 65%
HSV	170°, 29%, 76%
XYZ	38.1975, 47.0039, 52.3978
YIQ	175.5290, -29.8910, -14.4590

Conversions

Conversions Part 2

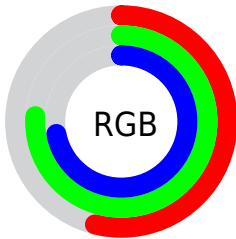
Format	Color
RYB	138, 168, 193
Decimal	9093560
CIELab	74.19, -19.78, -1.22
CIElCh	74, 19.818, 183.542
Yxy	47.0039, 0.2776, 0.3416
Android (android.graphics.Color)	4287283640 (0xFF8AC1B8)
YUV	175.5290, 4.1762, -32.9129
Hunter-Lab	68.5594, -20.5285, 2.6781

Details

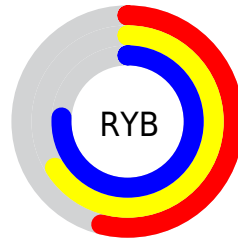
The Yxy color $47.0039, 0.2776, 0.3416$ is a light color, and the websafe version is hex $99CCCC$. A complement of this color would be $31.6137, 0.3644, 0.3169$, and the grayscale version is $43.1450, 0.3127, 0.3290$.

A 20% lighter version of the original color is $85.9999, 0.2840, 0.3397$, and $22.0824, 0.2679, 0.3446$ is the 20% darker color. If you saturate the color by 10%, you get $45.3724, 0.2671, 0.3467$, and if you desaturate by 10%, it is $48.9347, 0.2892, 0.3368$.

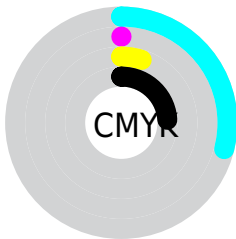
Distribution



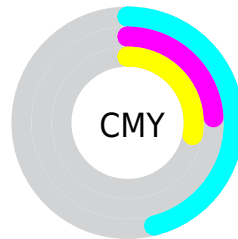
- Red (54%)
- Green (76%)
- Blue (72%)



- Red (54%)
- Yellow (66%)
- Blue (76%)



- Cyan (29%)
- Magenta (0%)
- Yellow (5%)
- Black (24%)



- Cyan (46%)
- Magenta (24%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.0039, 0.2776, 0.3416 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 47.0039, 0.2776, 0.3416 by changing the saturation by 10% instead.


 47.0039, 0.2776,
0.3416

 47.0039, 0.2776,
0.3416


374.8301, 0.2951,
0.3354

 33.0387, 0.2733,
0.3431


 85.7194, 0.2839,
0.3394

 22.1561, 0.2677,
0.3450


 111.2386, 0.2863,
0.3385

 13.9717, 0.2604,
0.3476


 141.3779, 0.2883,
0.3378

 8.1010, 0.2503,
0.3511

176.5217, 0.2900,
0.3372

 4.1596, 0.2353,
0.3561

217.0545, 0.2915,
0.3367

 1.7632, 0.2110,
0.3640

263.3605, 0.2929,

 0.4641, 0.0000,

0.3362

0.4399

315.8243, 0.2940,
0.3358

0.0000, 0.0000,
0.0000

47.0039, 0.2776,
0.3416

47.0039, 0.2776,
0.3416

45.3724, 0.2671,
0.3467

48.9347, 0.2892,
0.3368

44.0189, 0.2581,
0.3521

51.1735, 0.3017,
0.3324

42.9285, 0.2506,
0.3577

53.7356, 0.3147,
0.3284

42.0824, 0.2450,
0.3635

56.6336, 0.3280,
0.3248

41.4591, 0.2413,
0.3694

59.8794, 0.3414,
0.3216

■ 41.0338, 0.2395,
0.3752

■ 63.4845, 0.3547,
0.3188

■ 40.7660, 0.2394,
0.3810

■ 63.8682, 0.3531,
0.3156

■ 40.7309, 0.2394,
0.3818

■ 64.0238, 0.3506,
0.3123

■ 64.1824, 0.3480,
0.3091

Harmonies

Analogous

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



47.0039, 0.3015, 0.3650



47.0039, 0.2776, 0.3416



47.0039, 0.2632, 0.3155

Triad

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



47.0039, 0.2776, 0.3416



47.0039, 0.2946, 0.2851



47.0039, 0.3665, 0.3605

Complementary

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



47.0039, 0.2776, 0.3416



31.6137, 0.3644, 0.3169

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.



47.0039, 0.3649, 0.3388



47.0039, 0.2776, 0.3416



47.0039, 0.3223, 0.2966

Square

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



47.0039, 0.2776, 0.3416



47.0039, 0.2727, 0.2842



47.0039, 0.3484, 0.3158



47.0039, 0.3532, 0.3752

Rectangle

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



47.0039, 0.2776, 0.3416



47.0039, 0.2606, 0.3007



47.0039, 0.3484, 0.3158



47.0039, 0.3677, 0.3538

Sweetspot

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



47.0058, 0.2776, 0.3416



91.3734, 0.3009, 0.3327



46.1955, 0.3161, 0.4089



19.4699, 0.2990, 0.3333



97.7402, 0.3127, 0.3290



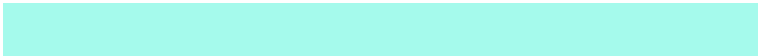
20.4902, 0.3127, 0.3290

Same Dimension

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



47.0058, 0.2776, 0.3416



82.3555, 0.2711, 0.3446



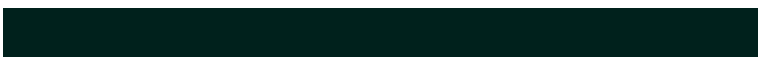
39.7809, 0.2691, 0.3027



11.3992, 0.3006, 0.3328



27.0973, 0.2392, 0.3811



1.1785, 0.2356, 0.3682

Inverse Universe

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



31.6137, 0.3644, 0.3169



50.4413, 0.3798, 0.3143



37.0565, 0.3678, 0.3538



10.1042, 0.3264, 0.3252



7.6169, 0.6143, 0.3158



0.3377, 0.5580, 0.2848

Previews

White Background



This preview shows how the Yxy color 47.0039, 0.2776, 0.3416 looks on a white background.

Color Contrast Check

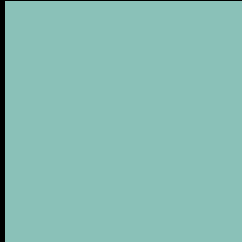
Large Text (above 18pt) WCAG AA × Fail

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 47.0039, 0.2776, 0.3416 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

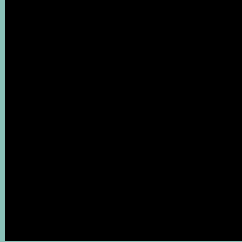
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

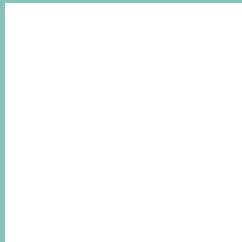
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.0039, 0.2776, 0.3416

Background



This preview shows how black text looks on a background with the Yxy color 47.0039, 0.2776, 0.3416.



This preview shows how white text looks on a background with the Yxy color 47.0039, 0.2776, 0.3416.

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

47.0039, 0.2776, 0.3416

Protanopia

46.6612, 0.3202, 0.3342

Deuteranopia

46.5088, 0.3221, 0.3153



Tritanopia

47.0743, 0.2672, 0.3086

Trichromacy



Original Color

47.0039, 0.2776, 0.3416

Protanomaly

46.4282, 0.3033, 0.3357

Deuteranomaly

46.2312, 0.3046, 0.3237

Tritanomaly

46.9555, 0.2710, 0.3206

Monochromacy



Original Color

47.0039, 0.2776, 0.3416

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

44.3920, 0.2984, 0.3331

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.0039, 0.2776, 0.3416 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(138, 193, 184)` looks like.

```
.text, #text, p{  
    color:rgb(138, 193, 184)  
}
```

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(138, 193, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 193, 184) }
```

Border

The CSS property to change the border of an element to Yxy 47.0039, 0.2776, 0.3416 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(138, 193, 184) }
```

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

```
.border{ border-color:rgb(138, 193, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 193, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 193, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 193, 184);  
box-shadow:4px 4px 4px 4px rgb(138, 193,  
184) }
```


Background

The CSS property to change the background color of an element to Yxy 47.0039, 0.2776, 0.3416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 193, 184) }
```

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

```
.background{ background-color: rgb(138,  
193, 184) }
```

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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