

Converting Colors

$Y_{xy}(49.1099, 0.2794, 0.3524)$

Have a look what the booklet for
Yxy(49.1099, 0.2794, 0.3524)
contains.

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Color

Yxy(49.0427, 0.2794, 0.3528)

Conversions

Conversions Part 1

Format	Color
Hex	89C6B5
RGB	137, 198, 181
RGB Percent	54%, 78%, 71%
CMY	0.4631, 0.2234, 0.2902
CMYK	0.31, 0.00, 0.09, 0.22
HSL	163°, 35%, 66%
HSV	163°, 31%, 78%
XYZ	38.8394, 49.0427, 51.1278
YIQ	177.8230, -30.8990, -18.2190

Conversions

Conversions Part 2

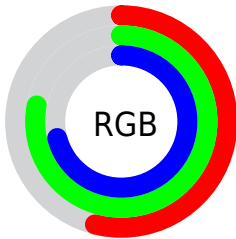
Format	Color
RYB	137, 172, 198
Decimal	9029301
CIELab	75.48, -23.27, 2.27
CIElCh	75, 23.377, 174.431
Yxy	49.0427, 0.2794, 0.3528
Android (android.graphics.Color)	4287219381 (0xFF89C6B5)
YUV	177.8230, 1.5663, -35.8018
Hunter-Lab	70.0305, -23.5561, 5.7349

Details

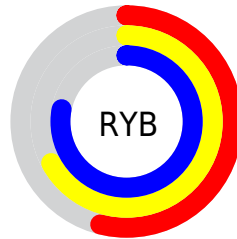
The Yxy color **49.0427, 0.2794, 0.3528** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **32.2072, 0.3624, 0.3067**, and the grayscale version is **44.4176, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.8409, 0.2854, 0.3483**, and **23.4363, 0.2707, 0.3602** is the 20% darker color. If you saturate the color by 10%, you get **47.3011, 0.2703, 0.3619**, and if you desaturate by 10%, it is **51.1043, 0.2895, 0.3444**.

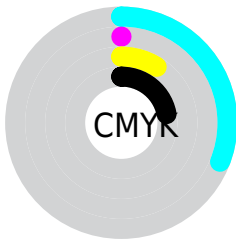
Distribution



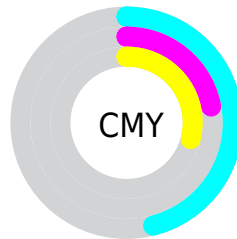
- Red (54%)
- Green (78%)
- Blue (71%)



- Red (54%)
- Yellow (67%)
- Blue (78%)



- Cyan (31%)
- Magenta (0%)
- Yellow (9%)
- Black (22%)





- Cyan (46%)
- Magenta (22%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.0427, 0.2794, 0.3528 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 49.0427, 0.2794, 0.3528 by changing the saturation by 10% instead.


 49.0427, 0.2794,
0.3528

 49.0427, 0.2794,
0.3528

382.9104, 0.2959,
0.3409


 34.6534, 0.2753,
0.3558


 88.7549, 0.2854,
0.3485

 23.3960, 0.2701,
0.3596

 114.8465, 0.2876,
0.3468

 14.8862, 0.2631,
0.3647


 145.6076, 0.2896,
0.3455

 8.7395, 0.2535,
0.3719

181.4227, 0.2912,
0.3443

 4.5717, 0.2393,
0.3825

222.6762, 0.2926,
0.3433

 1.9982, 0.2164,
0.4002

269.7523, 0.2939,

 0.6064, 0.0075,

0.3424

0.5431

323.0356, 0.2950,
0.3416

0.0000, 0.0000,
0.0000

49.0427, 0.2794,
0.3528

49.0427, 0.2794,
0.3528

47.3011, 0.2703,
0.3619

51.1043, 0.2895,
0.3444

45.8566, 0.2626,
0.3716

53.4956, 0.3004,
0.3366

44.6927, 0.2565,
0.3817


56.2331, 0.3117,
0.3296


43.7886, 0.2523,
0.3920

59.3306, 0.3233,
0.3233

43.1208, 0.2500,
0.4026


62.8010, 0.3350,
0.3176


 42.6614, 0.2497,
0.4130

 66.5183, 0.3459,
0.3126

 42.3756, 0.2507,
0.4225

 66.8054, 0.3416,
0.3071

 67.1021, 0.3373,
0.3016

 67.4085, 0.3331,
0.2962

Harmonies

Analogous

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



49.0427, 0.3092, 0.3773



49.0427, 0.2794, 0.3528



49.0427, 0.2591, 0.3219

Triad

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



49.0427, 0.2794, 0.3528



49.0427, 0.2828, 0.2767



49.0427, 0.3768, 0.3581

Complementary

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



49.0427, 0.2794, 0.3528



32.2072, 0.3624, 0.3067

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.



49.0427, 0.3693, 0.3318



49.0427, 0.2794, 0.3528



49.0427, 0.3137, 0.2865

Square

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



49.0427, 0.2794, 0.3528



49.0427, 0.2610, 0.2794



49.0427, 0.3457, 0.3062



49.0427, 0.3661, 0.3786

Rectangle

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



49.0427, 0.2794, 0.3528



49.0427, 0.2530, 0.3031



49.0427, 0.3457, 0.3062



49.0427, 0.3763, 0.3496

Sweetspot

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



49.0447, 0.2794, 0.3528



95.4990, 0.3023, 0.3353



49.0940, 0.3219, 0.4151



20.2954, 0.3007, 0.3364



0.0000, 0.0000, 0.0000



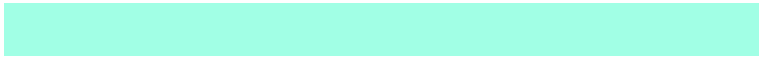
21.4041, 0.3127, 0.3290

Same Dimension

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



49.0447, 0.2794, 0.3528



84.7011, 0.2732, 0.3588



43.9959, 0.2667, 0.3104



12.0152, 0.3020, 0.3355



27.5665, 0.2503, 0.4211



1.3171, 0.2443, 0.3995

Inverse Universe

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



32.2072, 0.3624, 0.3067



50.2133, 0.3778, 0.3016



35.6744, 0.3765, 0.3467



10.6847, 0.3247, 0.3226



8.0009, 0.5814, 0.2976



0.3915, 0.5200, 0.2638

Previews

White Background



This preview shows how the Yxy color 49.0427, 0.2794, 0.3528 looks on a white background.

Color Contrast Check

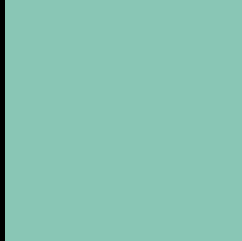
Large Text (above 18pt) WCAG AA × Fail

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 49.0427, 0.2794, 0.3528 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

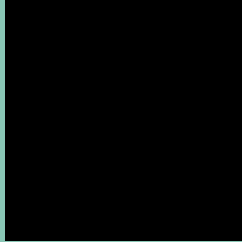
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

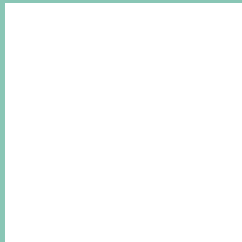
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.0427, 0.2794, 0.3528

Background



This preview shows how black text looks on a background with the Yxy color 49.0427, 0.2794, 0.3528.



This preview shows how white text looks on a background with the Yxy color 49.0427, 0.2794, 0.3528.

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

49.0427, 0.2794, 0.3528

Protanopia

48.4133, 0.3267, 0.3418

Deuteranopia

48.4395, 0.3288, 0.3217



Tritanopia

49.0267, 0.2654, 0.3089

Trichromacy



Original Color

49.0427, 0.2794, 0.3528

Protanomaly

48.2274, 0.3071, 0.3450

Deuteranomaly

48.1622, 0.3085, 0.3316

Tritanomaly

48.8165, 0.2704, 0.3234

Monochromacy



Original Color

49.0427, 0.2794, 0.3528

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

45.7391, 0.2992, 0.3371

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.0427, 0.2794, 0.3528 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, 198, 181)` looks like.

```
.text, #text, p{  
    color:rgb(137, 198, 181)  
}
```

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, 198, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 198, 181) }
```

Border

The CSS property to change the border of an element to Yxy 49.0427, 0.2794, 0.3528 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, 198, 181) }
```

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

```
.border{ border-color:rgb(137, 198, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 198, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 198, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 198, 181);  
box-shadow:4px 4px 4px 4px rgb(137, 198,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 49.0427, 0.2794, 0.3528 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 198, 181) }
```

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

```
.background{ background-color: rgb(137,  
198, 181) }
```

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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