

Converting Colors

$Y_{xy}(44.7754, 0.2927, 0.3582)$

Have a look what the booklet for
Yxy(44.7754, 0.2927, 0.3582)
contains.

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Color

Yxy(44.7229, 0.2924, 0.3577)

Conversions

Conversions Part 1

Format	Color
Hex	90BCA8
RGB	144, 188, 168
RGB Percent	56%, 74%, 66%
CMY	0.4351, 0.2628, 0.3412
CMYK	0.23, 0.00, 0.11, 0.26
HSL	153°, 25%, 65%
HSV	153°, 23%, 74%
XYZ	36.5585, 44.7229, 43.7477
YIQ	172.5640, -19.8040, -15.5480

Conversions

Conversions Part 2

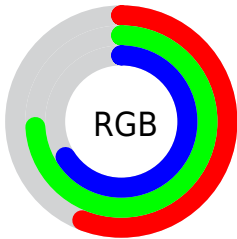
Format	Color
RYB	144, 172, 188
Decimal	9485480
CIELab	72.71, -18.74, 5.37
CIELCh	73, 19.495, 164.022
Yxy	44.7229, 0.2924, 0.3577
Android (android.graphics.Color)	4287675560 (0xFF90BCA8)
YUV	172.5640, -2.2501, -25.0506
Hunter-Lab	66.8752, -19.4514, 8.0269

Details

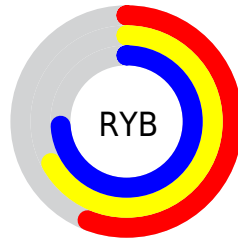
The Yxy color **44.7229, 0.2924, 0.3577** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **33.3346, 0.3391, 0.3020**, and the grayscale version is **41.5803, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.0348, 0.2960, 0.3521**, and **20.9161, 0.2868, 0.3673** is the 20% darker color. If you saturate the color by 10%, you get **42.8613, 0.2845, 0.3721**, and if you desaturate by 10%, it is **46.8911, 0.3009, 0.3446**.

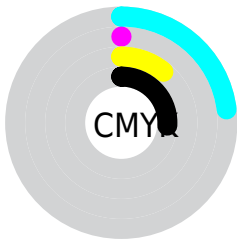
Distribution



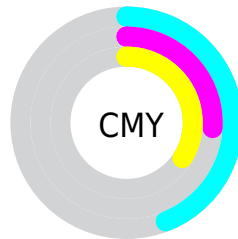
- Red (56%)
- Green (74%)
- Blue (66%)



- Red (56%)
- Yellow (67%)
- Blue (74%)



- Cyan (23%)
- Magenta (0%)
- Yellow (11%)
- Black (26%)



- Cyan (44%)
- Magenta (26%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.7229, 0.2924, 0.3577 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 44.7229, 0.2924, 0.3577 by changing the saturation by 10% instead.


 44.7229, 0.2924,
0.3577


 44.7229, 0.2924,
0.3577


365.6501, 0.3028,
0.3430

 31.2392, 0.2897,
0.3615


 82.3044, 0.2962,
0.3523

 20.7811, 0.2863,
0.3665


 107.1711, 0.2976,
0.3502

 12.9641, 0.2816,
0.3732


136.6008, 0.2988,
0.3485

 7.4038, 0.2750,
0.3830

170.9781, 0.2998,
0.3471

 3.7159, 0.2647,
0.3982

210.6873, 0.3007,
0.3459

 1.5159, 0.2469,
0.4251

256.1127, 0.3015,

 0.2999, 0.0000,

0.3448

1.0000

307.6389, 0.3022,
0.3438

0.0000, 0.0000,
0.0000

44.7229, 0.2924,
0.3577

44.7229, 0.2924,
0.3577

42.8613, 0.2845,
0.3721

46.8911, 0.3009,
0.3446

41.2864, 0.2776,
0.3877

49.3737, 0.3097,
0.3327

39.9845, 0.2718,
0.4044

52.1851, 0.3187,
0.3221

38.9386, 0.2676,
0.4217

55.3372, 0.3276,
0.3128

38.1296, 0.2653,
0.4395

58.8413, 0.3363,
0.3045

■ 37.5355, 0.2649,
0.4572

■ 62.3559, 0.3433,
0.2971

■ 37.1303, 0.2664,
0.4744

■ 62.8192, 0.3364,
0.2887

■ 36.9319, 0.2682,
0.4855

■ 63.3060, 0.3297,
0.2805

■ 63.8166, 0.3232,
0.2724

Harmonies

Analogous

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



44.7229, 0.3196, 0.3747



44.7229, 0.2924, 0.3577



44.7229, 0.2713, 0.3323

Triad

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



44.7229, 0.2924, 0.3577



44.7229, 0.2793, 0.2832



44.7229, 0.3673, 0.3468

Complementary

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



44.7229, 0.2924, 0.3577



33.3346, 0.3391, 0.3020

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.



44.7229, 0.3556, 0.3237



44.7229, 0.2924, 0.3577



44.7229, 0.3039, 0.2880

Square

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



44.7229, 0.2924, 0.3577



44.7229, 0.2640, 0.2898



44.7229, 0.3320, 0.3026



44.7229, 0.3635, 0.3667

Rectangle

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



44.7229, 0.2924, 0.3577



44.7229, 0.2631, 0.3151



44.7229, 0.3320, 0.3026



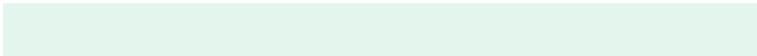
44.7229, 0.3650, 0.3392

Sweetspot

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



44.7248, 0.2924, 0.3577



87.7374, 0.3064, 0.3370



45.9311, 0.3269, 0.3905



18.8089, 0.3058, 0.3377



95.5105, 0.3127, 0.3290



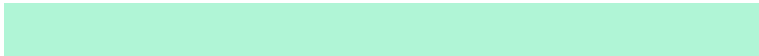
19.5994, 0.3127, 0.3290

Same Dimension

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



44.7248, 0.2924, 0.3577



79.2786, 0.2883, 0.3649



44.9058, 0.2785, 0.3269



10.7343, 0.3044, 0.3396



25.1620, 0.2676, 0.4834



0.9987, 0.2563, 0.4426

Inverse Universe

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



33.3346, 0.3391, 0.3020



55.0549, 0.3465, 0.2959



33.1145, 0.3598, 0.3312



9.6066, 0.3219, 0.3186



7.7466, 0.5122, 0.2595



0.3166, 0.4548, 0.2279

Previews

White Background



This preview shows how the Yxy color 44.7229, 0.2924, 0.3577 looks on a white background.

Color Contrast Check

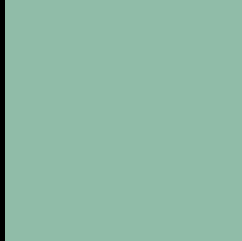
Large Text (above 18pt) WCAG AA × Fail

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 44.7229, 0.2924, 0.3577 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

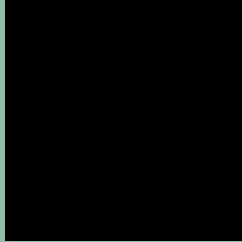
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.7229, 0.2924, 0.3577

Background



This preview shows how black text looks on a background with the Yxy color 44.7229, 0.2924, 0.3577.



This preview shows how white text looks on a background with the Yxy color 44.7229, 0.2924, 0.3577.

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

44.7229, 0.2924, 0.3577

Protanopia

44.3672, 0.3323, 0.3490

Deuteranopia

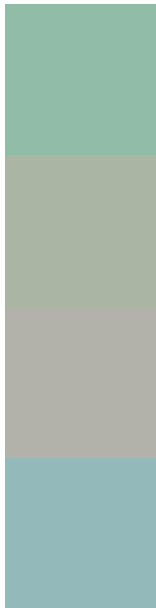
44.3156, 0.3364, 0.3303



Tritanopia

44.8422, 0.2758, 0.3098

Trichromacy



Original Color

44.7229, 0.2924, 0.3577

Protanomaly

44.2741, 0.3168, 0.3524

Deuteranomaly

44.2080, 0.3192, 0.3398

Tritanomaly

44.5817, 0.2819, 0.3261

Monochromacy



Original Color

44.7229, 0.2924, 0.3577

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

42.4624, 0.3045, 0.3388

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.7229, 0.2924, 0.3577 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(144, 188, 168)` looks like.

```
.text, #text, p{  
    color:rgb(144, 188, 168)  
}
```

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(144, 188, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 188, 168) }
```

Border

The CSS property to change the border of an element to Yxy 44.7229, 0.2924, 0.3577 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(144, 188, 168) }
```

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

```
.border{ border-color:rgb(144, 188, 168) }
```

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

Here you see how a box with a 4 pixel rgb(144, 188, 168) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 188, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 188, 168);  
box-shadow:4px 4px 4px 4px rgb(144, 188,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 44.7229, 0.2924, 0.3577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 188, 168) }
```

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

```
.background{ background-color: rgb(144,  
188, 168) }
```

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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