

Converting Colors

$Yxy(50.4769, 0.2803, 0.2959)$

Have a look what the booklet for
Yxy(50.4769, 0.2803, 0.2959)
contains.

Yxy(50.5554, 0.2803, 0.2964)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(50.5554, 0.2803, 0.2964)

Conversions

Conversions Part 1

Format	Color
Hex	ACBED8
RGB	172, 190, 216
RGB Percent	67%, 75%, 85%
CMY	0.3258, 0.2548, 0.1530
CMYK	0.20, 0.12, 0.00, 0.15
HSL	215°, 36%, 76%
HSV	215°, 20%, 85%
XYZ	47.8093, 50.5554, 72.2001
YIQ	187.5820, -19.0740, 4.2700

Conversions

Conversions Part 2

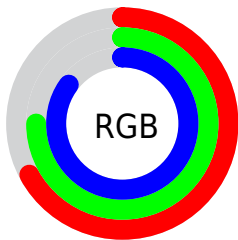
Format	Color
RYB	172, 185, 216
Decimal	11321048
CIELab	76.41, -0.67, -15.08
CIELCh	76, 15.093, 267.456
Yxy	50.5554, 0.2803, 0.2964
Android (android.graphics.Color)	4289511128 (0xFFACBED8)
YUV	187.5820, 14.0101, -13.6654
Hunter-Lab	71.1023, -4.4054, -10.4338

Details

The Yxy color **50.5554, 0.2803, 0.2964** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **57.9186, 0.3472, 0.3596**, and the grayscale version is **49.9623, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.6255, 0.2963, 0.3199**, and **24.3865, 0.2718, 0.2883** is the 20% darker color. If you saturate the color by 10%, you get **43.0328, 0.2634, 0.2777**, and if you desaturate by 10%, it is **58.9611, 0.2966, 0.3133**.

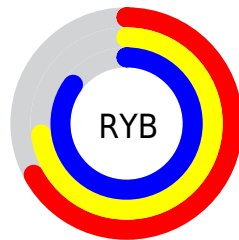
Distribution



Red (67%)

Green (75%)

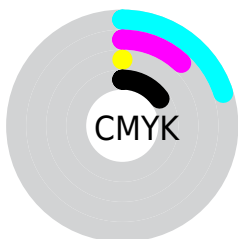
Blue (85%)



Red (67%)

Yellow (73%)

Blue (85%)

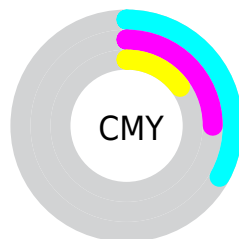


Cyan (20%)

Magenta (12%)

Yellow (0%)

Black (15%)



Cyan (33%)

Magenta (25%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.5554, 0.2803, 0.2964 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 50.5554, 0.2803, 0.2964 by changing the saturation by 10% instead.

■ 50.5554, 0.2803,
0.2964

■ 50.5554, 0.2803,
0.2964

■ 388.8339, 0.2962,
0.3124

■ 35.8549, 0.2765,
0.2925

■ 90.9972, 0.2860,
0.3021

■ 24.3222, 0.2716,
0.2876

■ 117.5074, 0.2881,
0.3043

■ 15.5728, 0.2652,
0.2811

■ 148.7228, 0.2900,
0.3062

■ 9.2223, 0.2565,
0.2723

■ 185.0280, 0.2916,
0.3078

■ 4.8865, 0.2441,
0.2597

■ 226.8073, 0.2929,
0.3091

■ 2.1808, 0.2249,
0.2400

■ 274.4452, 0.2941,

■ 0.7095, 0.1893,

0.3104

0.2041

328.3259, 0.2952,
0.3114

0.0000, 0.0000,
0.0000

50.5554, 0.2803,
0.2964

50.5554, 0.2803,
0.2964

43.0328, 0.2634,
0.2777

58.9611, 0.2966,
0.3133

36.3557, 0.2462,
0.2573

68.2733, 0.3121,
0.3284

30.4926, 0.2292,
0.2356

78.5223, 0.3266,
0.3418

25.4074, 0.2131,
0.2128

89.0980, 0.3378,
0.3538

21.0608, 0.1984,
0.1898

96.8985, 0.3359,
0.3659

■ 17.4092, 0.1859,
0.1673

■ 97.7376, 0.3358,
0.3671

■ 14.4026, 0.1759,
0.1461

■ 12.0493, 0.1688,
0.1276

Harmonies

Analogous

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



50.5554, 0.2737, 0.3063



50.5554, 0.2803, 0.2964



50.5554, 0.2955, 0.2951

Triad

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



50.5554, 0.2803, 0.2964



50.5554, 0.3496, 0.3331



50.5554, 0.3087, 0.3580

Complementary

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



50.5554, 0.2803, 0.2964



57.9186, 0.3472, 0.3596

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.



50.5554, 0.3292, 0.3652



50.5554, 0.2803, 0.2964



50.5554, 0.3533, 0.3499

Square

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



50.5554, 0.2803, 0.2964



50.5554, 0.3357, 0.3159



50.5554, 0.3457, 0.3619



50.5554, 0.2897, 0.3423

Rectangle

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



50.5554, 0.2803, 0.2964



50.5554, 0.3087, 0.2990



50.5554, 0.3457, 0.3619



50.5554, 0.3157, 0.3616

Sweetspot

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



50.5575, 0.2803, 0.2964



91.5932, 0.3035, 0.3201



61.9327, 0.2937, 0.3517



19.4152, 0.3024, 0.3191



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.



50.5575, 0.2803, 0.2964



69.2877, 0.2739, 0.2895



43.6208, 0.2817, 0.2733



12.8377, 0.2982, 0.3149



7.3331, 0.1696, 0.1304



0.6031, 0.1791, 0.1648

Inverse Universe

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



47.7961, 0.3370, 0.3077



64.8652, 0.3427, 0.3035



66.1304, 0.3404, 0.3800



12.5045, 0.3227, 0.3195



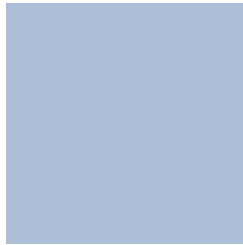
9.0851, 0.5321, 0.2705



0.5642, 0.4871, 0.2457

Previews

White Background



This preview shows how the Yxy color 50.5554, 0.2803, 0.2964 looks on a white background.

Color Contrast Check

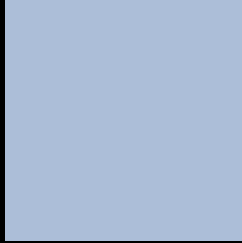
Large Text (above 18pt) WCAG AA × Fail

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 50.5554, 0.2803, 0.2964 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

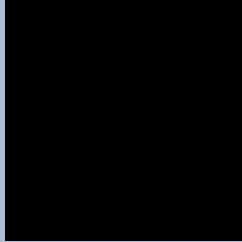
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

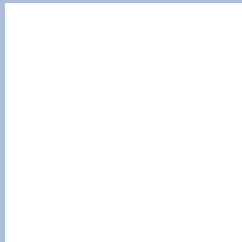
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.5554, 0.2803, 0.2964

Background



This preview shows how black text looks on a background with the Yxy color 50.5554, 0.2803, 0.2964.



This preview shows how white text looks on a background with the Yxy color 50.5554, 0.2803, 0.2964.

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

50.5554, 0.2803, 0.2964

Protanopia

50.5860, 0.2905, 0.2958

Deuteranopia

50.6282, 0.2952, 0.2893



Tritanopia

50.7503, 0.2850, 0.3098

Trichromacy



Original Color

50.5554, 0.2803, 0.2964

Protanomaly

50.5760, 0.2868, 0.2956

Deuteranomaly

50.4419, 0.2891, 0.2911

Tritanomaly

50.5727, 0.2837, 0.3049

Monochromacy



Original Color

50.5554, 0.2803, 0.2964

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

50.4175, 0.3004, 0.3176

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.5554, 0.2803, 0.2964 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(172, 190, 216)` looks like.

```
.text, #text, p{  
    color:rgb(172, 190, 216)  
}
```

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(172, 190, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 190, 216) }
```

Border

The CSS property to change the border of an element to Yxy 50.5554, 0.2803, 0.2964 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(172, 190, 216) }
```

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

```
.border{ border-color:rgb(172, 190, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 190, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 190, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 190, 216);  
box-shadow:4px 4px 4px 4px rgb(172, 190,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 50.5554, 0.2803, 0.2964 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 190, 216) }
```

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

```
.background{ background-color: rgb(172,  
190, 216) }
```

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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