

Converting Colors

$Y_{xy}(47.4071, 0.2654, 0.2908)$

Have a look what the booklet for
Yxy(47.4071, 0.2654, 0.2908)
contains.

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Color

Yxy(47.6516, 0.2655, 0.2912)

Conversions

Conversions Part 1

Format	Color
Hex	98BCD9
RGB	152, 188, 217
RGB Percent	60%, 74%, 85%
CMY	0.4042, 0.2627, 0.1491
CMYK	0.30, 0.13, 0.00, 0.15
HSL	207°, 46%, 72%
HSV	207°, 30%, 85%
XYZ	43.4461, 47.6516, 72.5411
YIQ	180.5420, -30.7650, 1.3870

Conversions

Conversions Part 2

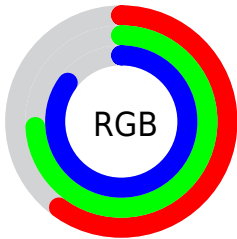
Format	Color
RYB	152, 175, 217
Decimal	10009817
CIELab	74.60, -5.38, -18.46
CIElCh	75, 19.230, 253.761
Yxy	47.6516, 0.2655, 0.2912
Android (android.graphics.Color)	4288199897 (0xFF98BCD9)
YUV	180.5420, 17.9738, -25.0313
Hunter-Lab	69.0301, -8.4587, -13.9844

Details

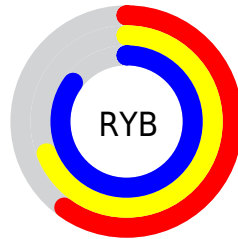
The Yxy color **47.6516, 0.2655, 0.2912** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **50.0233, 0.3694, 0.3639**, and the grayscale version is **45.8572, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.3313, 0.2843, 0.3175**, and **22.5892, 0.2529, 0.2810** is the 20% darker color. If you saturate the color by 10%, you get **41.7571, 0.2497, 0.2761**, and if you desaturate by 10%, it is **54.2092, 0.2815, 0.3051**.

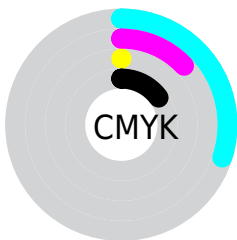
Distribution



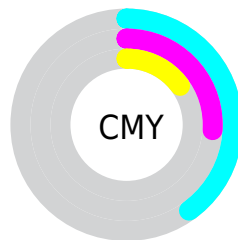
- Red (60%)
- Green (74%)
- Blue (85%)



- Red (60%)
- Yellow (69%)
- Blue (85%)



- Cyan (30%)
- Magenta (13%)
- Yellow (0%)
- Black (15%)



- Cyan (40%)
- Magenta (26%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.6516, 0.2655, 0.2912 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 47.6516, 0.2655, 0.2912 by changing the saturation by 10% instead.

■ 47.6516, 0.2655,
0.2912

■ 47.6516, 0.2655,
0.2912

377.4095, 0.2886,
0.3101

■ 33.5511, 0.2599,
0.2865

■ 86.6854, 0.2738,
0.2980

■ 22.5489, 0.2528,
0.2806

■ 112.3875, 0.2769,
0.3006

■ 14.2608, 0.2435,
0.2727

142.7256, 0.2796,
0.3028

■ 8.3023, 0.2309,
0.2619

178.0841, 0.2819,
0.3047

■ 4.2890, 0.2130,
0.2461

218.8473, 0.2839,
0.3063

■ 1.8365, 0.1857,
0.2214

265.3997, 0.2857,

■ 0.5098, 0.1176,

0.3077

0.1697

318.1256, 0.2873,
0.3089

0.0000, 0.0000,
0.0000

47.6516, 0.2655,
0.2912

47.6516, 0.2655,
0.2912

41.7571, 0.2497,
0.2761

54.2092, 0.2815,
0.3051

36.4939, 0.2345,
0.2600

61.4488, 0.2973,
0.3177

31.8352, 0.2203,
0.2431

69.3954, 0.3128,
0.3290

27.7500, 0.2076,
0.2258

78.0708, 0.3276,
0.3391

24.2031, 0.1969,
0.2083

86.4509, 0.3378,
0.3483

■ 21.1540, 0.1884,
0.1912

■ 92.1767, 0.3364,
0.3576

■ 18.5345, 0.1819,
0.1748

■ 97.7889, 0.3352,
0.3661

■ 18.5284, 0.1819,
0.1748

Harmonies

Analogous

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



47.6516, 0.2628, 0.3083



47.6516, 0.2655, 0.2912



47.6516, 0.2802, 0.2847

Triad

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



47.6516, 0.2655, 0.2912



47.6516, 0.3539, 0.3237



47.6516, 0.3196, 0.3731

Complementary

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



47.6516, 0.2655, 0.2912



50.0233, 0.3694, 0.3639

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.



47.6516, 0.3448, 0.3759



47.6516, 0.2655, 0.2912



47.6516, 0.3653, 0.3461

Square

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



47.6516, 0.2655, 0.2912



47.6516, 0.3311, 0.3033



47.6516, 0.3618, 0.3654



47.6516, 0.2933, 0.3569

Rectangle

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



47.6516, 0.2655, 0.2912



47.6516, 0.2954, 0.2866



47.6516, 0.3618, 0.3654



47.6516, 0.3285, 0.3756

Sweetspot

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



47.6535, 0.2655, 0.2912



89.5561, 0.2987, 0.3188



59.5871, 0.2913, 0.3774



18.8244, 0.2964, 0.3170



0.0000, 0.0000, 0.0000



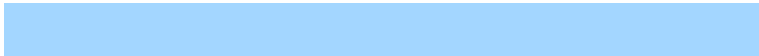
21.4041, 0.3127, 0.3290

Same Dimension

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



47.6535, 0.2655, 0.2912



63.1820, 0.2554, 0.2818



35.5489, 0.2607, 0.2478



13.8089, 0.2982, 0.3183



11.4320, 0.1825, 0.1771



0.9116, 0.1900, 0.2041

Inverse Universe

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



40.8183, 0.3429, 0.2862



52.3867, 0.3516, 0.2769



64.4252, 0.3591, 0.3990



13.1718, 0.3205, 0.3161



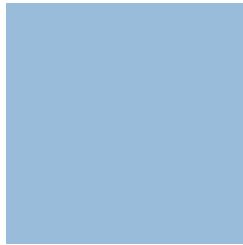
9.7778, 0.4720, 0.2374



0.6507, 0.4406, 0.2201

Previews

White Background



This preview shows how the Yxy color 47.6516, 0.2655, 0.2912 looks on a white background.

Color Contrast Check

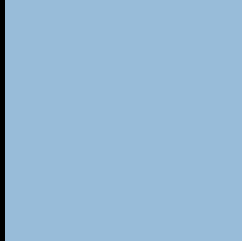
Large Text (above 18pt) WCAG AA × Fail

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 47.6516, 0.2655, 0.2912 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

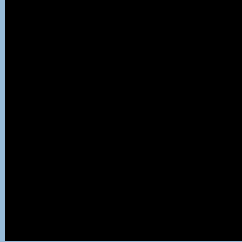
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

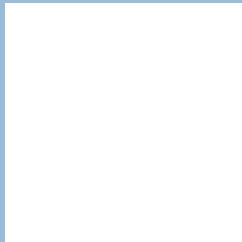
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.6516, 0.2655, 0.2912

Background



This preview shows how black text looks on a background with the Yxy color 47.6516, 0.2655, 0.2912.



This preview shows how white text looks on a background with the Yxy color 47.6516, 0.2655, 0.2912.

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

47.6516, 0.2655, 0.2912

Protanopia

47.6071, 0.2855, 0.2900

Deuteranopia

47.4220, 0.2858, 0.2798



Tritanopia

47.6243, 0.2713, 0.3089

Trichromacy



Original Color

47.6516, 0.2655, 0.2912

Protanomaly

47.4608, 0.2782, 0.2907

Deuteranomaly

47.2885, 0.2783, 0.2837

Tritanomaly

47.4827, 0.2693, 0.3024

Monochromacy



Original Color

47.6516, 0.2655, 0.2912

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

46.7221, 0.2937, 0.3158

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.6516, 0.2655, 0.2912 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(152, 188, 217)` looks like.

```
.text, #text, p{  
    color:rgb(152, 188, 217)  
}
```

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(152, 188, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 188, 217) }
```

Border

The CSS property to change the border of an element to Yxy 47.6516, 0.2655, 0.2912 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(152, 188, 217) }
```

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

```
.border{ border-color:rgb(152, 188, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 188, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 188, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 188, 217);  
box-shadow:4px 4px 4px 4px rgb(152, 188,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 47.6516, 0.2655, 0.2912 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 188, 217) }
```

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

```
.background{ background-color: rgb(152,  
188, 217) }
```

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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