

Converting Colors

$Y_{xy}(47.7310, 0.2671, 0.2932)$

Have a look what the booklet for
Yxy(47.7310, 0.2671, 0.2932)
contains.

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Color

Yxy(47.6966, 0.2668, 0.2925)

Conversions

Conversions Part 1

Format	Color
Hex	99BCD8
RGB	153, 188, 216
RGB Percent	60%, 74%, 85%
CMY	0.4002, 0.2627, 0.1530
CMYK	0.29, 0.13, 0.00, 0.15
HSL	207°, 45%, 72%
HSV	207°, 29%, 85%
XYZ	43.5058, 47.6966, 71.8629
YIQ	180.7270, -29.8480, 1.2880

Conversions

Conversions Part 2

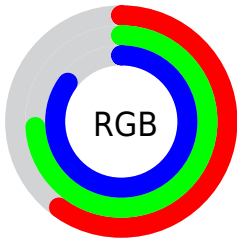
Format	Color
RYB	153, 176, 216
Decimal	10075352
CIELab	74.63, -5.32, -17.87
CIELCh	75, 18.644, 253.407
Yxy	47.6966, 0.2668, 0.2925
Android (android.graphics.Color)	4288265432 (0xFF99BCD8)
YUV	180.7270, 17.3896, -24.3166
Hunter-Lab	69.0627, -8.4143, -13.3500

Details

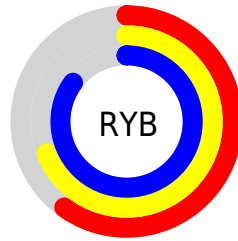
The Yxy color **47.6966, 0.2668, 0.2925** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **49.9080, 0.3676, 0.3628**, and the grayscale version is **45.9662, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.4767, 0.2849, 0.3175**, and **22.6105, 0.2545, 0.2827** is the 20% darker color. If you saturate the color by 10%, you get **41.8248, 0.2510, 0.2776**, and if you desaturate by 10%, it is **54.2244, 0.2828, 0.3062**.

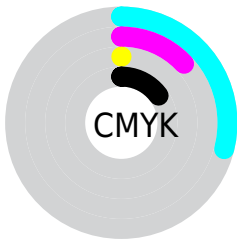
Distribution



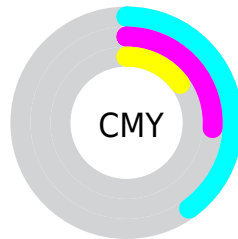
- Red (60%)
- Green (74%)
- Blue (85%)



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



- Cyan (29%)
- Magenta (13%)
- Yellow (0%)
- Black (15%)



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.6966, 0.2668, 0.2925 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 47.6966, 0.2668, 0.2925 by changing the saturation by 10% instead.

■ 47.6966, 0.2668,
0.2925

■ 47.6966, 0.2668,
0.2925

■ 377.5883, 0.2893,
0.3107

■ 33.5867, 0.2613,
0.2880

■ 86.7525, 0.2749,
0.2991

■ 22.5763, 0.2544,
0.2822

■ 112.4673, 0.2779,
0.3016

■ 14.2809, 0.2454,
0.2746

■ 142.8191, 0.2805,
0.3037

■ 8.3163, 0.2331,
0.2641

■ 178.1924, 0.2828,
0.3055

■ 4.2980, 0.2156,
0.2488

■ 218.9716, 0.2847,
0.3071

■ 1.8416, 0.1888,
0.2247

■ 265.5410, 0.2864,

■ 0.5129, 0.1213,

0.3084

0.1740

318.2851, 0.2880,
0.3096

0.0000, 0.0000,
0.0000

47.6966, 0.2668,
0.2925

47.6966, 0.2668,
0.2925

41.8248, 0.2510,
0.2776

54.2244, 0.2828,
0.3062

36.5775, 0.2357,
0.2616

61.4265, 0.2986,
0.3187

31.9287, 0.2215,
0.2449

69.3276, 0.3140,
0.3299

27.8479, 0.2087,
0.2276

77.9491, 0.3287,
0.3398

24.3009, 0.1978,
0.2102

86.1663, 0.3386,
0.3489

■ 21.2481, 0.1891,
0.1931

■ 91.8308, 0.3371,
0.3582

■ 18.6286, 0.1826,
0.1767

■ 97.7367, 0.3358,
0.3671

■ 18.4269, 0.1821,
0.1754

Harmonies

Analogous

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



47.6966, 0.2644, 0.3092



47.6966, 0.2668, 0.2925



47.6966, 0.2810, 0.2860

Triad

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



47.6966, 0.2668, 0.2925



47.6966, 0.3525, 0.3236



47.6966, 0.3198, 0.3718

Complementary

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



47.6966, 0.2668, 0.2925



49.9080, 0.3676, 0.3628

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.



47.6966, 0.3441, 0.3744



47.6966, 0.2668, 0.2925



47.6966, 0.3636, 0.3454

Square

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



47.6966, 0.2668, 0.2925



47.6966, 0.3303, 0.3039



47.6966, 0.3604, 0.3641



47.6966, 0.2942, 0.3562

Rectangle

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



47.6966, 0.2668, 0.2925



47.6966, 0.2956, 0.2878



47.6966, 0.3604, 0.3641



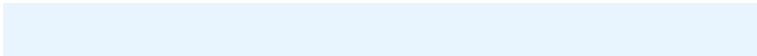
47.6966, 0.3284, 0.3742

Sweetspot

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



47.6985, 0.2668, 0.2925



89.5788, 0.2987, 0.3188



59.1743, 0.2918, 0.3759



18.8300, 0.2964, 0.3170



0.0000, 0.0000, 0.0000



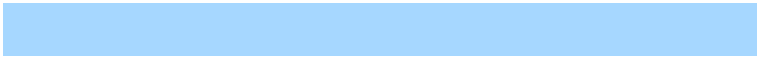
21.4041, 0.3127, 0.3290

Same Dimension

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



47.6985, 0.2668, 0.2925



64.1061, 0.2570, 0.2835



35.8923, 0.2622, 0.2503



13.1430, 0.2982, 0.3184



11.1278, 0.1828, 0.1779



0.8351, 0.1907, 0.2064

Inverse Universe

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



40.9954, 0.3418, 0.2873



53.3686, 0.3500, 0.2782



63.8689, 0.3578, 0.3971



12.5353, 0.3205, 0.3161



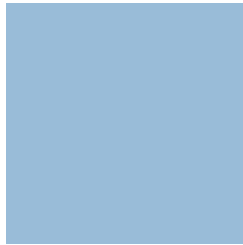
9.4682, 0.4711, 0.2369



0.5876, 0.4381, 0.2187

Previews

White Background



This preview shows how the Yxy color 47.6966, 0.2668, 0.2925 looks on a white background.

Color Contrast Check

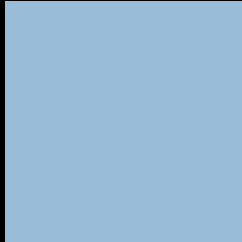
Large Text (above 18pt) WCAG AA × Fail

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 47.6966, 0.2668, 0.2925 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

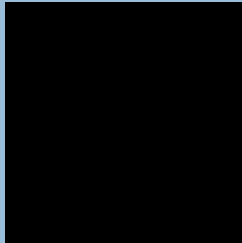
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

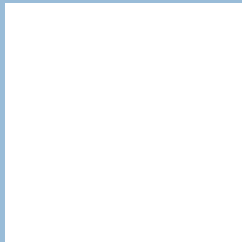
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.6966, 0.2668, 0.2925

Background



This preview shows how black text looks on a background with the Yxy color 47.6966, 0.2668, 0.2925.



This preview shows how white text looks on a background with the Yxy color 47.6966, 0.2668, 0.2925.

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

47.6966, 0.2668, 0.2925

Protanopia

47.6743, 0.2870, 0.2913

Deuteranopia

47.4925, 0.2873, 0.2811



Tritanopia

47.8140, 0.2726, 0.3089

Trichromacy



Original Color

47.6966, 0.2668, 0.2925

Protanomaly

47.5201, 0.2796, 0.2920

Deuteranomaly

47.3499, 0.2797, 0.2849

Tritanomaly

47.6740, 0.2706, 0.3025

Monochromacy



Original Color

47.6966, 0.2668, 0.2925

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

46.8339, 0.2945, 0.3158

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.6966, 0.2668, 0.2925 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(153, 188, 216)` looks like.

```
.text, #text, p{  
    color:rgb(153, 188, 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(153, 188, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 188, 216) }
```

Border

The CSS property to change the border of an element to Yxy 47.6966, 0.2668, 0.2925 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(153, 188, 216) }
```

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

```
.border{ border-color:rgb(153, 188, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 188, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 188, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 188, 216);  
box-shadow:4px 4px 4px 4px rgb(153, 188,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 47.6966, 0.2668, 0.2925 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 188, 216) }
```

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

```
.background{ background-color: rgb(153,  
188, 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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