

Converting Colors

$Yxy(46.8477, 0.2667, 0.2925)$

Have a look what the booklet for
Yxy(46.8477, 0.2667, 0.2925)
contains.

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Color

Yxy(47.0711, 0.2672, 0.2935)

Conversions

Conversions Part 1

Format	Color
Hex	98BBD6
RGB	152, 187, 214
RGB Percent	60%, 73%, 84%
CMY	0.4041, 0.2666, 0.1607
CMYK	0.29, 0.13, 0.00, 0.16
HSL	206°, 43%, 72%
HSV	206°, 29%, 84%
XYZ	42.8531, 47.0711, 70.4543
YIQ	179.6130, -29.5270, 0.9770

Conversions

Conversions Part 2

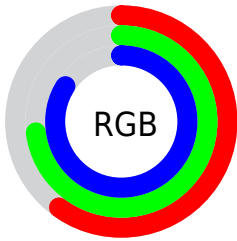
Format	Color
RYB	152, 174, 214
Decimal	10009558
CIELab	74.24, -5.55, -17.41
CIELCh	74, 18.271, 252.331
Yxy	47.0711, 0.2672, 0.2935
Android (android.graphics.Color)	4288199638 (0xFF98BBD6)
YUV	179.6130, 16.9528, -24.2166
Hunter-Lab	68.6084, -8.5727, -12.8593

Details

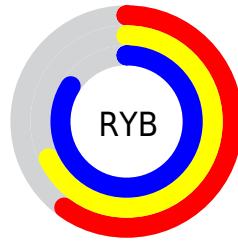
The Yxy color **47.0711, 0.2672, 0.2935** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **48.7927, 0.3673, 0.3619**, and the grayscale version is **45.3411, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.5866, 0.2836, 0.3164**, and **22.2060, 0.2549, 0.2841** is the 20% darker color. If you saturate the color by 10%, you get **41.3664, 0.2515, 0.2789**, and if you desaturate by 10%, it is **53.4085, 0.2831, 0.3069**.

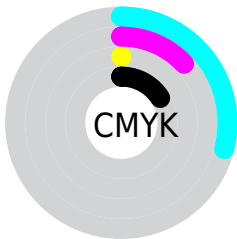
Distribution



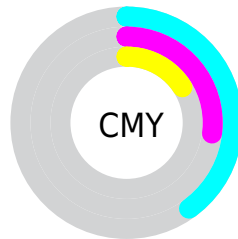
- Red (60%)
- Green (73%)
- Blue (84%)



- Red (60%)
- Yellow (68%)
- Blue (84%)



- Cyan (29%)
- Magenta (13%)
- Yellow (0%)
- Black (16%)



- Cyan (40%)
- Magenta (27%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.0711, 0.2672, 0.2935 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 47.0711, 0.2672, 0.2935 by changing the saturation by 10% instead.

■ 47.0711, 0.2672,
0.2935

■ 47.0711, 0.2672,
0.2935

■ 375.0983, 0.2896,
0.3113

■ 33.0919, 0.2618,
0.2891

■ 85.8197, 0.2752,
0.3000

■ 22.1968, 0.2548,
0.2834

■ 111.3579, 0.2783,
0.3024

■ 14.0016, 0.2458,
0.2759

■ 141.5179, 0.2809,
0.3044

■ 8.1218, 0.2335,
0.2656

■ 176.6841, 0.2831,
0.3062

■ 4.1730, 0.2159,
0.2504

■ 217.2408, 0.2850,
0.3077

■ 1.7708, 0.1888,
0.2263

■ 263.5725, 0.2867,

■ 0.4689, 0.1138,

0.3091

0.1720

316.0635, 0.2882,
0.3102

0.0000, 0.0000,
0.0000

47.0711, 0.2672,
0.2935

47.0711, 0.2672,
0.2935

41.3664, 0.2515,
0.2789

53.4085, 0.2831,
0.3069

36.2638, 0.2363,
0.2633

60.3961, 0.2989,
0.3191

31.7384, 0.2221,
0.2469

68.0577, 0.3142,
0.3300

27.7607, 0.2094,
0.2300

76.4141, 0.3290,
0.3398

24.2975, 0.1986,
0.2130

84.7234, 0.3402,
0.3486

■ 21.3108, 0.1900,
0.1962

■ 90.1546, 0.3388,
0.3576

■ 18.7423, 0.1835,
0.1801

■ 95.8686, 0.3374,
0.3665

■ 18.4995, 0.1829,
0.1785

■ 97.6358, 0.3369,
0.3691

Harmonies

Analogous

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



47.0711, 0.2652, 0.3103



47.0711, 0.2672, 0.2935



47.0711, 0.2808, 0.2867

Triad

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



47.0711, 0.2672, 0.2935



47.0711, 0.3512, 0.3230



47.0711, 0.3206, 0.3714

Complementary

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



47.0711, 0.2672, 0.2935



48.7927, 0.3673, 0.3619

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.



47.0711, 0.3444, 0.3735



47.0711, 0.2672, 0.2935



47.0711, 0.3627, 0.3444

Square

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



47.0711, 0.2672, 0.2935



47.0711, 0.3291, 0.3036



47.0711, 0.3600, 0.3631



47.0711, 0.2954, 0.3565

Rectangle

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



47.0711, 0.2672, 0.2935



47.0711, 0.2951, 0.2882



47.0711, 0.3600, 0.3631



47.0711, 0.3290, 0.3736

Sweetspot

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



47.0730, 0.2672, 0.2935



89.6961, 0.2987, 0.3190



58.0214, 0.2920, 0.3755



18.8589, 0.2964, 0.3173



0.0000, 0.0000, 0.0000



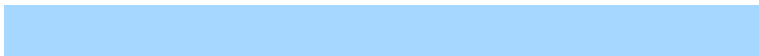
21.4041, 0.3127, 0.3290

Same Dimension

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



47.0730, 0.2672, 0.2935



64.4922, 0.2571, 0.2844



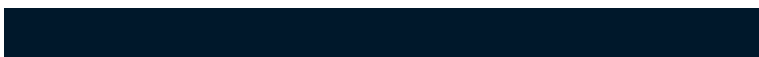
35.3395, 0.2626, 0.2509



13.1609, 0.2982, 0.3186



11.3906, 0.1836, 0.1808



0.8504, 0.1914, 0.2088

Inverse Universe

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



40.3322, 0.3410, 0.2870



53.4076, 0.3493, 0.2775



62.5972, 0.3575, 0.3967



12.5371, 0.3204, 0.3159



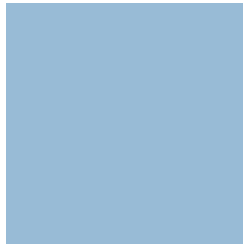
9.4947, 0.4676, 0.2349



0.5892, 0.4354, 0.2172

Previews

White Background



This preview shows how the Yxy color 47.0711, 0.2672, 0.2935 looks on a white background.

Color Contrast Check

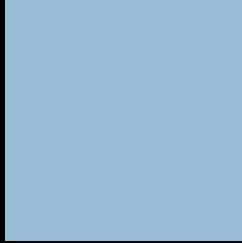
Large Text (above 18pt) WCAG AA × Fail

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 47.0711, 0.2672, 0.2935 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

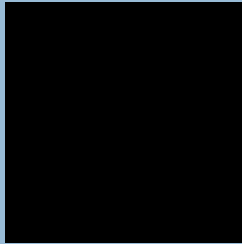
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

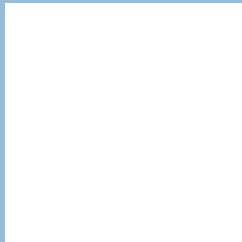
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.0711, 0.2672, 0.2935

Background



This preview shows how black text looks on a background with the Yxy color 47.0711, 0.2672, 0.2935.



This preview shows how white text looks on a background with the Yxy color 47.0711, 0.2672, 0.2935.

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

47.0711, 0.2672, 0.2935

Protanopia

47.0480, 0.2876, 0.2923

Deuteranopia

46.8659, 0.2879, 0.2820



Tritanopia

47.2389, 0.2724, 0.3088

Trichromacy



Original Color

47.0711, 0.2672, 0.2935

Protanomaly

46.8950, 0.2802, 0.2930

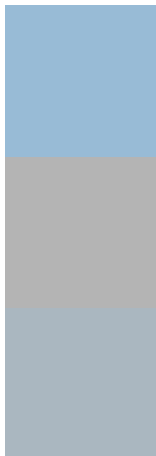
Deuteranomaly

46.7247, 0.2803, 0.2859

Tritanomaly

47.0998, 0.2705, 0.3024

Monochromacy



Original Color

47.0711, 0.2672, 0.2935

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

46.2188, 0.2952, 0.3171

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.0711, 0.2672, 0.2935 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, 187, 214)` looks like.

```
.text, #text, p{  
    color:rgb(152, 187, 214)  
}
```

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, 187, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 187, 214) }
```

Border

The CSS property to change the border of an element to Yxy 47.0711, 0.2672, 0.2935 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, 187, 214) }
```

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

```
.border{ border-color:rgb(152, 187, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 187, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 187, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 187, 214);  
box-shadow:4px 4px 4px 4px rgb(152, 187,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 47.0711, 0.2672, 0.2935 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 187, 214) }
```

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

```
.background{ background-color: rgb(152,  
187, 214) }
```

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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