

Converting Colors

$Yxy(47.9241, 0.2673, 0.3076)$

Have a look what the booklet for
Yxy(47.9241, 0.2673, 0.3076)
contains.

| | |
|--|----|
| Yxy(47.7863, 0.2675, 0.3075) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 27 |
| <i>CSS Examples</i> | 30 |

Color

Yxy(47.7863, 0.2675, 0.3075)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 91BFCF |
| RGB | 145, 191, 207 |
| RGB Percent | 57%, 75%, 81% |
| CMY | 0.4313, 0.2510, 0.1883 |
| CMYK | 0.30, 0.08, 0.00, 0.19 |
| HSL | 195°, 39%, 69% |
| HSV | 195°, 30%, 81% |
| XYZ | 41.5702, 47.7863, 66.0461 |
| YIQ | 179.0700, -32.5520, -4.7760 |

Conversions

Conversions Part 2

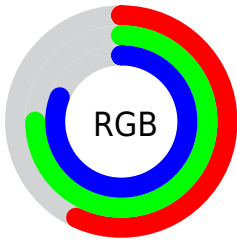
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 145, 171, 207 |
| Decimal | 9551823 |
| CIE _{Lab} | 74.69, -11.37, -12.94 |
| CIE _{LCh} | 75, 17.225, 228.691 |
| Yxy | 47.7863, 0.2675, 0.3075 |
| Android (android.graphics.Color) | 4287741903 (0xFF91BFCF) |
| YUV | 179.0700, 13.7695, -29.8794 |
| Hunter-Lab | 69.1276, -13.6316, -8.2577 |

Details

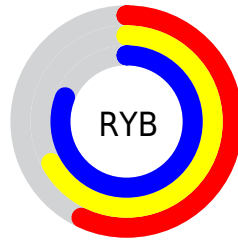
The Yxy color **47.7863, 0.2675, 0.3075** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **40.7940, 0.3733, 0.3494**, and the grayscale version is **45.0592, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.0209, 0.2799, 0.3205**, and **22.7522, 0.2549, 0.3013** is the 20% darker color. If you saturate the color by 10%, you get **43.7907, 0.2534, 0.2991**, and if you desaturate by 10%, it is **52.2131, 0.2823, 0.3153**.

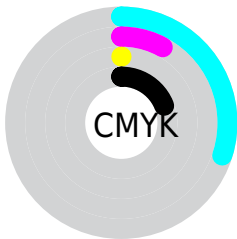
Distribution



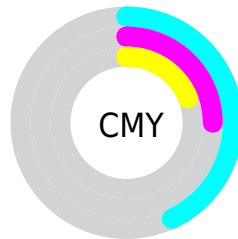
- Red (57%)
- Green (75%)
- Blue (81%)



- Red (57%)
- Yellow (67%)
- Blue (81%)



- Cyan (30%)
- Magenta (8%)
- Yellow (0%)
- Black (19%)



- Cyan (43%)
- Magenta (25%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.7863, 0.2675, 0.3075 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 47.7863, 0.2675, 0.3075 by changing the saturation by 10% instead.

■ 47.7863, 0.2675,
0.3075

■ 47.7863, 0.2675,
0.3075

■ 377.9444, 0.2897,
0.3185

■ 33.6577, 0.2621,
0.3047

■ 86.8861, 0.2754,
0.3115

■ 22.6307, 0.2553,
0.3011

■ 112.6262, 0.2785,
0.3131

■ 14.3211, 0.2464,
0.2962

■ 143.0054, 0.2810,
0.3143

■ 8.3443, 0.2342,
0.2892

■ 178.4084, 0.2832,
0.3154

■ 4.3161, 0.2167,
0.2788

■ 219.2193, 0.2852,
0.3163

■ 1.8519, 0.1898,
0.2615

■ 265.8227, 0.2868,

■ 0.5192, 0.0939,

0.3172

0.2259

318.6030, 0.2883,
0.3179

0.0000, 0.0000,
0.0000

47.7863, 0.2675,
0.3075

47.7863, 0.2675,
0.3075

43.7907, 0.2534,
0.2991

52.2131, 0.2823,
0.3153

40.2009, 0.2405,
0.2902

57.0834, 0.2975,
0.3225

36.9977, 0.2289,
0.2809

62.4159, 0.3128,
0.3290

34.1574, 0.2190,
0.2713

68.2268, 0.3280,
0.3349

31.6532, 0.2111,
0.2617

74.5309, 0.3429,
0.3402

■ 29.4536, 0.2051,
0.2521

■ 78.5480, 0.3468,
0.3453

■ 27.5013, 0.2007,
0.2426

■ 81.4446, 0.3459,
0.3506

■ 27.4883, 0.2007,
0.2425

■ 84.4319, 0.3449,
0.3559

■ 87.5106, 0.3440,
0.3610

Harmonies

Analogous

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



47.7863, 0.2747, 0.3284



47.7863, 0.2675, 0.3075



47.7863, 0.2718, 0.2935

Triad

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



47.7863, 0.2675, 0.3075



47.7863, 0.3330, 0.3086



47.7863, 0.3382, 0.3713

Complementary

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



47.7863, 0.2675, 0.3075



40.7940, 0.3733, 0.3494

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.



47.7863, 0.3549, 0.3639



47.7863, 0.2675, 0.3075



47.7863, 0.3521, 0.3276

Square

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



47.7863, 0.2675, 0.3075



47.7863, 0.3090, 0.2948



47.7863, 0.3602, 0.3477



47.7863, 0.3150, 0.3667

Rectangle

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



47.7863, 0.2675, 0.3075



47.7863, 0.2807, 0.2895



47.7863, 0.3602, 0.3477



47.7863, 0.3448, 0.3701

Sweetspot

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



47.7882, 0.2675, 0.3075



92.1872, 0.2988, 0.3231



53.1904, 0.2987, 0.3934



19.4740, 0.2965, 0.3221



0.0000, 0.0000, 0.0000



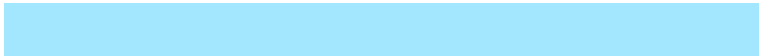
21.4041, 0.3127, 0.3290

Same Dimension

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



47.7882, 0.2675, 0.3075



72.3668, 0.2583, 0.3021



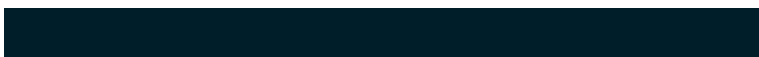
35.8445, 0.2627, 0.2645



12.8696, 0.2983, 0.3229



17.4835, 0.2011, 0.2438



1.1016, 0.2059, 0.2613

Inverse Universe

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



37.2810, 0.3312, 0.2728



53.3139, 0.3364, 0.2605



52.7803, 0.3626, 0.3860



11.9548, 0.3177, 0.3119



9.8362, 0.3984, 0.1969



0.5625, 0.3812, 0.1873

Previews

White Background



This preview shows how the Yxy color 47.7863, 0.2675, 0.3075 looks on a white background.

Color Contrast Check

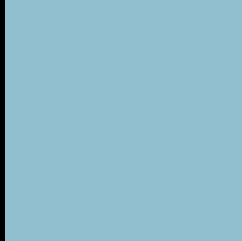
Large Text (above 18pt) WCAG AA × Fail

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 47.7863, 0.2675, 0.3075 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

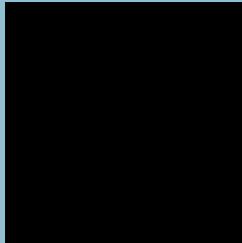
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.7863, 0.2675, 0.3075

Background



This preview shows how black text looks on a background with the Yxy color 47.7863, 0.2675, 0.3075.



This preview shows how white text looks on a background with the Yxy color 47.7863, 0.2675, 0.3075.

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

47.7863, 0.2675, 0.3075

Protanopia

47.4967, 0.2973, 0.3048

Deuteranopia

47.7122, 0.2971, 0.2908



Tritanopia

47.7376, 0.2681, 0.3088

Trichromacy



Original Color

47.7863, 0.2675, 0.3075

Protanomaly

47.3346, 0.2858, 0.3056

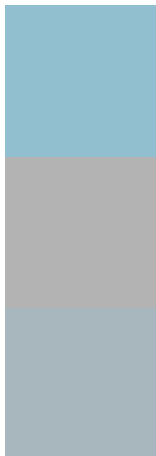
Deuteranomaly

47.3547, 0.2853, 0.2958

Tritanomaly

47.7376, 0.2681, 0.3088

Monochromacy



Original Color

47.7863, 0.2675, 0.3075

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

45.7566, 0.2950, 0.3209

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.7863, 0.2675, 0.3075 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(145, 191, 207)` looks like.

```
.text, #text, p{  
    color:rgb(145, 191, 207)  
}
```

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(145, 191, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 191, 207) }
```

Border

The CSS property to change the border of an element to Yxy 47.7863, 0.2675, 0.3075 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(145, 191, 207) }
```

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

```
.border{ border-color:rgb(145, 191, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 191, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(145, 191, 207); -webkit-box-shadow:4px 4px 4px 4px rgb(145, 191, 207); box-shadow:4px 4px 4px 4px rgb(145, 191, 207) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 47.7863, 0.2675, 0.3075$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 191, 207) }
```

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

```
.background{ background-color: rgb(145,  
191, 207) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor