

Converting Colors

$Y_{xy}(47.1250, 0.2763, 0.3019)$

Have a look what the booklet for
Yxy(47.1250, 0.2763, 0.3019)
contains.

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Color

Yxy(46.9937, 0.2765, 0.3014)

Conversions

Conversions Part 1

Format	Color
Hex	9FBACF
RGB	159, 186, 207
RGB Percent	62%, 73%, 81%
CMY	0.3766, 0.2705, 0.1883
CMYK	0.23, 0.10, 0.00, 0.19
HSL	206°, 33%, 72%
HSV	206°, 23%, 81%
XYZ	43.1113, 46.9937, 65.8130
YIQ	180.3210, -22.8330, 0.8070

Conversions

Conversions Part 2

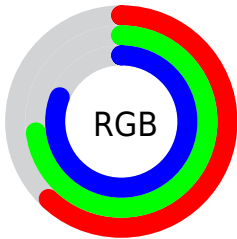
Format	Color
R_{YB}	159, 176, 207
Decimal	10468047
CIE _{Lab}	74.19, -4.56, -13.61
CIE _{LCh}	74, 14.354, 251.461
Yxy	46.9937, 0.2765, 0.3014
Android (android.graphics.Color)	4288658127 (0xFF9FBACF)
YUV	180.3210, 13.1527, -18.6985
Hunter-Lab	68.5520, -7.7098, -8.9347

Details

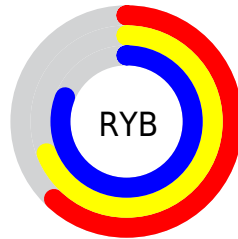
The Yxy color **46.9937, 0.2765, 0.3014** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **48.3755, 0.3544, 0.3551**, and the grayscale version is **45.7575, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.0204, 0.2877, 0.3155**, and **22.2008, 0.2666, 0.2930** is the 20% darker color. If you saturate the color by 10%, you get **41.3664, 0.2606, 0.2875**, and if you desaturate by 10%, it is **53.2199, 0.2923, 0.3141**.

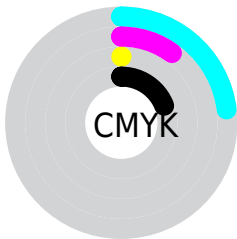
Distribution



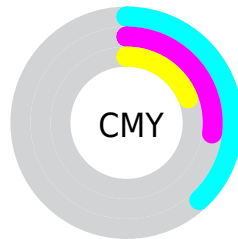
- Red (62%)
- Green (73%)
- Blue (81%)



- Red (62%)
- Yellow (69%)
- Blue (81%)



- Cyan (23%)
- Magenta (10%)
- Yellow (0%)
- Black (19%)



- Cyan (38%)
- Magenta (27%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.9937, 0.2765, 0.3014 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 46.9937, 0.2765, 0.3014 by changing the saturation by 10% instead.

■ 46.9937, 0.2765,
0.3014

■ 46.9937, 0.2765,
0.3014

■ 374.7894, 0.2944,
0.3152

■ 33.0307, 0.2721,
0.2979

■ 85.7042, 0.2829,
0.3064

■ 22.1499, 0.2665,
0.2935

■ 111.2205, 0.2854,
0.3083

■ 13.9671, 0.2592,
0.2876

■ 141.3567, 0.2874,
0.3099

■ 8.0978, 0.2491,
0.2794

■ 176.4971, 0.2892,
0.3113

■ 4.1576, 0.2344,
0.2672

■ 217.0262, 0.2908,
0.3125

■ 1.7621, 0.2114,
0.2475

■ 263.3283, 0.2921,

■ 0.4634, 0.1408,

0.3135

0.1983

315.7879, 0.2933,
0.3144

0.0000, 0.0000,
0.0000

46.9937, 0.2765,
0.3014

46.9937, 0.2765,
0.3014

41.3664, 0.2606,
0.2875

53.2199, 0.2923,
0.3141

36.3101, 0.2451,
0.2724

60.0598, 0.3079,
0.3256

31.8032, 0.2303,
0.2565

67.5351, 0.3229,
0.3359

27.8198, 0.2167,
0.2398

75.6642, 0.3372,
0.3450

24.3316, 0.2047,
0.2228

83.0241, 0.3454,
0.3534

■ 21.3063, 0.1948,
0.2058

■ 88.2190, 0.3437,
0.3622

■ 18.7060, 0.1871,
0.1892

■ 93.6789, 0.3422,
0.3707

■ 17.1378, 0.1829,
0.1783

■ 97.2838, 0.3412,
0.3761

Harmonies

Analogous

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



46.9937, 0.2752, 0.3150



46.9937, 0.2765, 0.3014



46.9937, 0.2871, 0.2956

Triad

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



46.9937, 0.2765, 0.3014



46.9937, 0.3425, 0.3239



46.9937, 0.3197, 0.3622

Complementary

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



46.9937, 0.2765, 0.3014



48.3755, 0.3544, 0.3551

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.



46.9937, 0.3382, 0.3638



46.9937, 0.2765, 0.3014



46.9937, 0.3517, 0.3410

Square

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



46.9937, 0.2765, 0.3014



46.9937, 0.3251, 0.3085



46.9937, 0.3501, 0.3557



46.9937, 0.2997, 0.3509

Rectangle

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



46.9937, 0.2765, 0.3014



46.9937, 0.2984, 0.2964



46.9937, 0.3501, 0.3557



46.9937, 0.3263, 0.3639

Sweetspot

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



46.9956, 0.2765, 0.3014



91.8989, 0.3019, 0.3213



55.2666, 0.2959, 0.3649



19.5257, 0.3009, 0.3206



0.0000, 0.0000, 0.0000



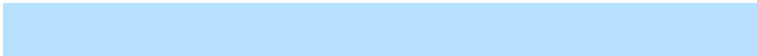
21.4041, 0.3127, 0.3290

Same Dimension

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



46.9956, 0.2765, 0.3014



70.5810, 0.2683, 0.2944



37.7701, 0.2739, 0.2687



12.5070, 0.2983, 0.3186



10.9918, 0.1835, 0.1805



0.7710, 0.1918, 0.2104

Inverse Universe

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



41.5918, 0.3342, 0.2958



60.7476, 0.3402, 0.2881



58.8422, 0.3482, 0.3829



11.9182, 0.3204, 0.3160



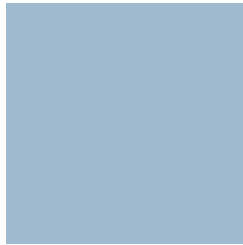
9.1809, 0.4679, 0.2351



0.5291, 0.4337, 0.2163

Previews

White Background



This preview shows how the Yxy color 46.9937, 0.2765, 0.3014 looks on a white background.

Color Contrast Check

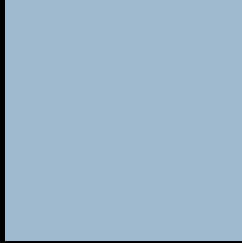
Large Text (above 18pt) WCAG AA × Fail

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 46.9937, 0.2765, 0.3014 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

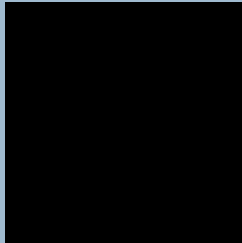
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

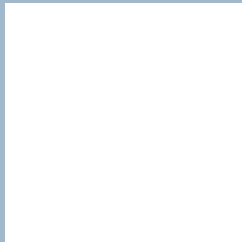
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.9937, 0.2765, 0.3014

Background



This preview shows how black text looks on a background with the Yxy color 46.9937, 0.2765, 0.3014.



This preview shows how white text looks on a background with the Yxy color 46.9937, 0.2765, 0.3014.

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

46.9937, 0.2765, 0.3014

Protanopia

46.9911, 0.2935, 0.2997

Deuteranopia

46.6125, 0.2962, 0.2893



Tritanopia

47.0740, 0.2792, 0.3090

Trichromacy



Original Color

46.9937, 0.2765, 0.3014

Protanomaly

47.0454, 0.2874, 0.3006

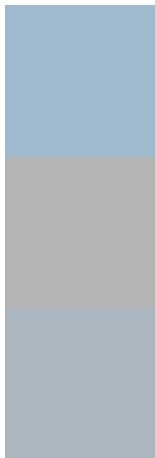
Deuteranomaly

46.5437, 0.2890, 0.2934

Tritanomaly

47.1694, 0.2779, 0.3065

Monochromacy



Original Color

46.9937, 0.2765, 0.3014

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

45.9443, 0.2982, 0.3184

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.9937, 0.2765, 0.3014 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(159, 186, 207)` looks like.

```
.text, #text, p{  
    color:rgb(159, 186, 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(159, 186, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 186, 207) }
```

Border

The CSS property to change the border of an element to Yxy 46.9937, 0.2765, 0.3014 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(159, 186, 207) }
```

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

```
.border{ border-color:rgb(159, 186, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 186, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 186, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 186, 207);  
box-shadow:4px 4px 4px 4px rgb(159, 186,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 46.9937, 0.2765, 0.3014 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 186, 207) }
```

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

```
.background{ background-color: rgb(159,  
186, 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](#).

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