

# Converting Colors

$Yxy(46.8274, 0.2584, 0.2918)$

Have a look what the booklet for  
Yxy(46.8274, 0.2584, 0.2918)  
contains.

<b>Yxy(46.9804, 0.2579, 0.2917)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(46.9804, 0.2579, 0.2917)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8CBDD9
RGB	140, 189, 217
RGB Percent	55%, 74%, 85%
CMY	0.4511, 0.2588, 0.1489
CMYK	0.36, 0.13, 0.00, 0.15
HSL	202°, 50%, 70%
HSV	202°, 36%, 85%
XYZ	41.5367, 46.9804, 72.5402
YIQ	177.5410, -38.1920, -1.6800

# Conversions

## Conversions Part 2

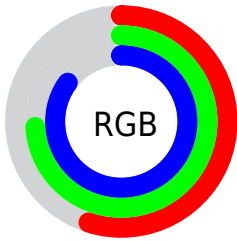
Format	Color
R <sub>Y</sub> B	140, 170, 217
Decimal	9223641
CIE Lab	74.18, -9.26, -19.20
CIE LCh	74, 21.317, 244.245
Yxy	46.9804, 0.2579, 0.2917
Android (android.graphics.Color)	4287413721 (0xFF8CBDD9)
YUV	177.5410, 19.4533, -32.9235
Hunter-Lab	68.5422, -11.7778, -14.7687

# Details

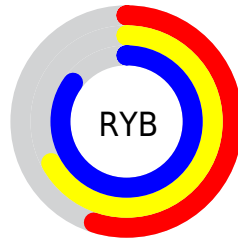
The Yxy color **46.9804, 0.2579, 0.2917** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **44.6531, 0.3852, 0.3632**, and the grayscale version is **44.1758, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.2606, 0.2775, 0.3183**, and **22.1954, 0.2431, 0.2816** is the 20% darker color. If you saturate the color by 10%, you get **41.9757, 0.2432, 0.2791**, and if you desaturate by 10%, it is **52.5453, 0.2732, 0.3034**.

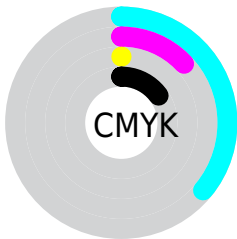
# Distribution



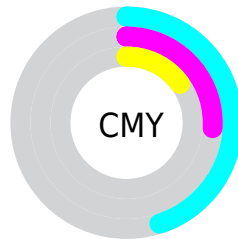
- Red (55%)
- Green (74%)
- Blue (85%)



- Red (55%)
- Yellow (67%)
- Blue (85%)



- Cyan (36%)
- Magenta (13%)
- Yellow (0%)
- Black (15%)




- Cyan (45%)
- Magenta (26%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.9804, 0.2579, 0.2917 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 46.9804, 0.2579, 0.2917 by changing the saturation by 10% instead.





 46.9804, 0.2579,  
0.2917


 46.9804, 0.2579,  
0.2917


374.7363, 0.2847,  
0.3105

 33.0202, 0.2514,  
0.2870

 85.6844, 0.2675,  
0.2986

 22.1419, 0.2432,  
0.2809


 111.1969, 0.2711,  
0.3011

 13.9612, 0.2326,  
0.2729


141.3289, 0.2742,  
0.3033

 8.0937, 0.2182,  
0.2618

176.4649, 0.2769,  
0.3052

 4.1550, 0.1978,  
0.2454

216.9893, 0.2792,  
0.3068

 1.7606, 0.1672,  
0.2195

263.2864, 0.2813,

 0.4624, 0.0757,

0.3082

0.1641

315.7406, 0.2831,  
0.3094

0.0000, 0.0000,  
0.0000

46.9804, 0.2579,  
0.2917

46.9804, 0.2579,  
0.2917

41.9757, 0.2432,  
0.2791

52.5453, 0.2732,  
0.3034

37.5008, 0.2296,  
0.2658

58.6880, 0.2888,  
0.3142

33.5304, 0.2174,  
0.2520

65.4318, 0.3043,  
0.3240

30.0340, 0.2070,  
0.2379

72.7968, 0.3195,  
0.3328

26.9766, 0.1986,  
0.2238

80.8023, 0.3343,  
0.3407

■ 24.3161, 0.1924,  
0.2100

■ 86.4698, 0.3378,  
0.3483

■ 23.2163, 0.1900,  
0.2039

■ 91.1249, 0.3367,  
0.3559

■ 95.9834, 0.3355,  
0.3634

■ 97.7910, 0.3351,  
0.3661

# Harmonies

## Analogous

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



46.9804, 0.2594, 0.3137



46.9804, 0.2579, 0.2917



46.9804, 0.2701, 0.2808

# Triad

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



46.9804, 0.2579, 0.2917



46.9804, 0.3516, 0.3153



46.9804, 0.3297, 0.3811

# Complementary

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



46.9804, 0.2579, 0.2917



44.6531, 0.3852, 0.3632

# 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.



46.9804, 0.3557, 0.3789



46.9804, 0.2579, 0.2917



46.9804, 0.3691, 0.3400

# Square

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



46.9804, 0.2579, 0.2917



46.9804, 0.3237, 0.2947



46.9804, 0.3705, 0.3632



46.9804, 0.2999, 0.3674



# Rectangle

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



46.9804, 0.2579, 0.2917



46.9804, 0.2849, 0.2804



46.9804, 0.3705, 0.3632



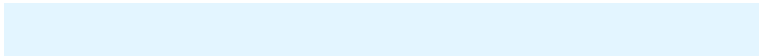
46.9804, 0.3392, 0.3821

# Sweetspot

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



46.9822, 0.2579, 0.2917



88.7260, 0.2956, 0.3187



57.9999, 0.2916, 0.3970



18.7098, 0.2935, 0.3173



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

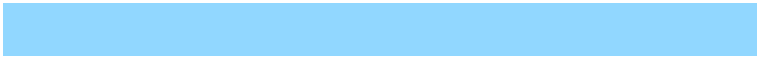


# Same Dimension

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



46.9822, 0.2579, 0.2917



61.9354, 0.2463, 0.2818



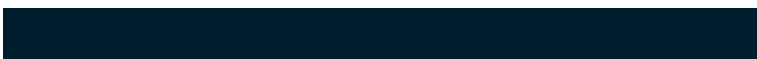
32.8911, 0.2507, 0.2391



13.9917, 0.2982, 0.3203



14.2579, 0.1905, 0.2059



1.0854, 0.1967, 0.2282



# Inverse Universe

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



37.1801, 0.3439, 0.2710



46.5306, 0.3534, 0.2582



60.5349, 0.3701, 0.4052



13.1903, 0.3193, 0.3142



10.0631, 0.4387, 0.2190

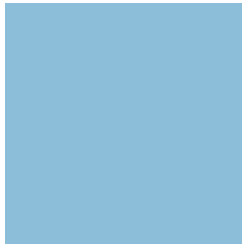


0.6683, 0.4145, 0.2057



# Previews

## White Background



This preview shows how the Yxy color 46.9804, 0.2579, 0.2917 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

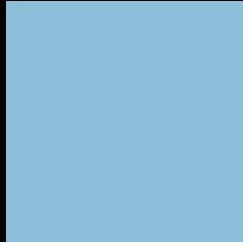
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 46.9804, 0.2579, 0.2917 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

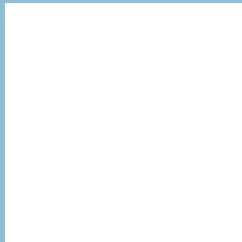
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 46.9804, 0.2579, 0.2917**

## **Background**



This preview shows how black text looks on a background with the Yxy color 46.9804, 0.2579, 0.2917.



This preview shows how white text looks on a background with the Yxy color 46.9804, 0.2579, 0.2917.

# 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

46.9804, 0.2579, 0.2917

### Protanopia

46.5758, 0.2860, 0.2897

### Deuteranopia

46.7790, 0.2842, 0.2783



## Tritanopia

47.0362, 0.2629, 0.3085

# Trichromacy



## Original Color

46.9804, 0.2579, 0.2917

## Protanomaly

46.4576, 0.2751, 0.2902

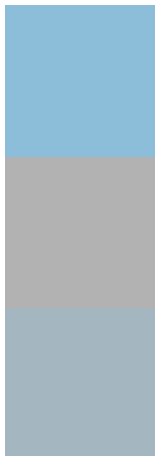
## Deuteranomaly

46.6248, 0.2739, 0.2831

## Tritanomaly

46.8833, 0.2610, 0.3019

# Monochromacy



## Original Color

46.9804, 0.2579, 0.2917

## Achromatopsia

44.5201, 0.3127, 0.3290

## Achromatomaly

45.1542, 0.2904, 0.3155

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.9804, 0.2579, 0.2917 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(140, 189, 217)` looks like.

```
.text, #text, p{  
    color:rgb(140, 189, 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(140, 189, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 189, 217) }
```

## Border

The CSS property to change the border of an element to Yxy 46.9804, 0.2579, 0.2917 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(140, 189, 217) }
```

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

```
.border{ border-color:rgb(140, 189, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 189, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 189, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 189, 217);  
box-shadow:4px 4px 4px 4px rgb(140, 189,  
217) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.9804, 0.2579, 0.2917 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 189, 217) }
```

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

```
.background{ background-color: rgb(140,  
189, 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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