

# Converting Colors

$Yxy(46.4361, 0.2239, 0.2826)$

Have a look what the booklet for  
Yxy(46.4361, 0.2239, 0.2826)  
contains.

<b>Yxy(46.2651, 0.2237, 0.2819)</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(46.2651, 0.2237, 0.2819)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4DC3E5
RGB	77, 195, 229
RGB Percent	30%, 76%, 90%
CMY	0.6985, 0.2352, 0.1019
CMYK	0.66, 0.15, 0.00, 0.10
HSL	193°, 75%, 60%
HSV	193°, 66%, 90%
XYZ	36.7134, 46.2651, 81.1404
YIQ	163.5940, -81.2420, -14.4420

# Conversions

## Conversions Part 2

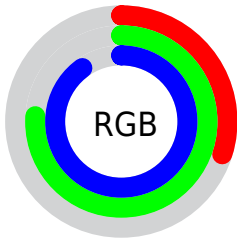
<b>Format</b>	<b>Color</b>
<b>RYB</b>	77, 143, 229
Decimal	5096421
CIELab	73.72, -22.57, -26.64
CIElCh	74, 34.918, 229.721
Yxy	46.2651, 0.2237, 0.2819
Android (android.graphics.Color)	4283286501 (0xFF4DC3E5)
YUV	163.5940, 32.2452, -75.9429
Hunter-Lab	68.0185, -22.6858, -23.1151

# Details

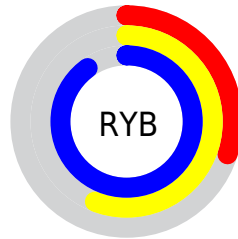
The Yxy color **46.2651, 0.2237, 0.2819** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **28.5416, 0.5022, 0.3645**, and the grayscale version is **36.7813, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5035, 0.2518, 0.3254**, and **22.0669, 0.2081, 0.2690** is the 20% darker color. If you saturate the color by 10%, you get **43.2222, 0.2156, 0.2736**, and if you desaturate by 10%, it is **49.7250, 0.2337, 0.2901**.

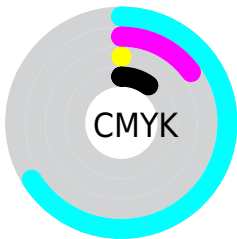
# Distribution



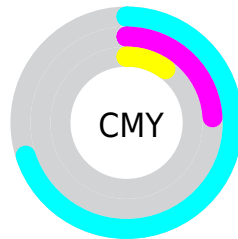
- Red (30%)
- Green (76%)
- Blue (90%)



- Red (30%)
- Yellow (56%)
- Blue (90%)



- Cyan (66%)
- Magenta (15%)
- Yellow (0%)
- Black (10%)



- Cyan (70%)
- Magenta (24%)
- Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.2651, 0.2237, 0.2819 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 46.2651, 0.2237, 0.2819 by changing the saturation by 10% instead.



46.2651, 0.2237,  
0.2819

46.2651, 0.2237,  
0.2819

371.8734, 0.2665,  
0.3063

32.4551, 0.2137,  
0.2757

84.6156, 0.2388,  
0.2909

21.7093, 0.2012,  
0.2676

109.9249, 0.2446,  
0.2943

13.6435, 0.1854,  
0.2569

139.8360, 0.2495,  
0.2971

7.8731, 0.1647,  
0.2420

174.7334, 0.2538,  
0.2995

4.0139, 0.1370,  
0.2203

215.0014, 0.2576,  
0.3016

1.6813, 0.0992,  
0.1868

261.0245, 0.2609,

0.4115, 0.0000,

0.3034

0.1194

313.1870, 0.2638,  
0.3049

0.0000, 0.0000,  
0.0000

46.2651, 0.2237,  
0.2819

46.2651, 0.2237,  
0.2819

43.2222, 0.2156,  
0.2736

49.7250, 0.2337,  
0.2901

40.5535, 0.2094,  
0.2653

53.6294, 0.2454,  
0.2980

38.2134, 0.2052,  
0.2571

58.0086, 0.2585,  
0.3056

37.4295, 0.2040,  
0.2542


62.8888, 0.2726,  
0.3127

68.2937, 0.2875,  
0.3193

 74.2457, 0.3028,  
0.3254

 80.7656, 0.3182,  
0.3309

 86.8927, 0.3300,  
0.3359

 89.8829, 0.3295,  
0.3409

# Harmonies

## Analogous

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



46.2651, 0.2360, 0.3241



46.2651, 0.2237, 0.2819



46.2651, 0.2326, 0.2569

# Triad

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



46.2651, 0.2237, 0.2819



46.2651, 0.3554, 0.2896



46.2651, 0.3612, 0.4170

# Complementary

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



46.2651, 0.2237, 0.2819



28.5416, 0.5022, 0.3645

# 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.



46.2651, 0.3973, 0.3985



46.2651, 0.2237, 0.2819



46.2651, 0.3951, 0.3255

# Square

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



46.2651, 0.2237, 0.2819



46.2651, 0.3055, 0.2632



46.2651, 0.4106, 0.3644



46.2651, 0.3137, 0.4089



# Rectangle

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



46.2651, 0.2237, 0.2819



46.2651, 0.2497, 0.2510



46.2651, 0.4106, 0.3644



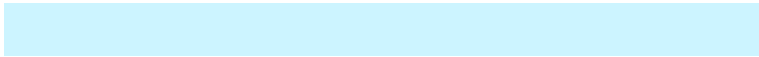
46.2651, 0.3752, 0.4133

# Sweetspot

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



46.2668, 0.2237, 0.2819



84.5175, 0.2819, 0.3170



58.7471, 0.2899, 0.5026



17.6733, 0.2777, 0.3151



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.



46.2668, 0.2237, 0.2819



53.7188, 0.2129, 0.2702



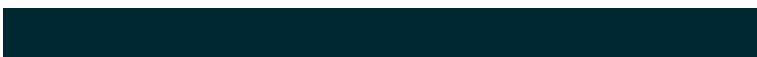
20.6614, 0.1969, 0.1701



15.7611, 0.2981, 0.3236



21.5828, 0.2043, 0.2555



1.7297, 0.2076, 0.2674



# Inverse Universe

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



25.8937, 0.3586, 0.2072



28.2507, 0.3712, 0.1943



52.2788, 0.4344, 0.4435



14.5572, 0.3172, 0.3109



11.3765, 0.3868, 0.1905

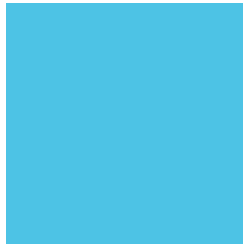


0.8543, 0.3753, 0.1841



# Previews

## White Background



This preview shows how the Yxy color 46.2651, 0.2237, 0.2819 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

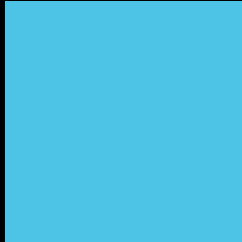
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 46.2651, 0.2237, 0.2819 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 46.2651, 0.2237, 0.2819**

## **Background**



This preview shows how black text looks on a background with the Yxy color 46.2651, 0.2237, 0.2819.



This preview shows how white text looks on a background with the Yxy color 46.2651, 0.2237, 0.2819.

# 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

46.2651, 0.2237, 0.2819

### Protanopia

45.5085, 0.2779, 0.2795

### Deuteranopia

45.7625, 0.2658, 0.2600



## Tritanopia

46.4721, 0.2285, 0.3058

# Trichromacy



**Original Color**

46.2651, 0.2237, 0.2819

**Protanomaly**

44.8198, 0.2528, 0.2797

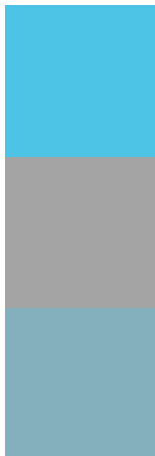
**Deuteranomaly**

45.3414, 0.2461, 0.2666

**Tritanomaly**

46.3866, 0.2268, 0.2976

# Monochromacy



**Original Color**

46.2651, 0.2237, 0.2819

**Achromatopsia**

37.1238, 0.3127, 0.3290

**Achromatomaly**

39.1963, 0.2682, 0.3099

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.2651, 0.2237, 0.2819 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(77, 195, 229)` looks like.

```
.text, #text, p{  
    color:rgb(77, 195, 229)  
}
```

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(77, 195, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 195, 229) }
```

## Border

The CSS property to change the border of an element to Yxy 46.2651, 0.2237, 0.2819 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(77, 195, 229) }
```

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

```
.border{ border-color:rgb(77, 195, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 195, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 195, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 195, 229);  
box-shadow:4px 4px 4px 4px rgb(77, 195,  
229) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.2651, 0.2237, 0.2819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 195, 229) }
```

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

```
.background{ background-color: rgb(77, 195,  
229) }
```

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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