

# Converting Colors

$Yxy(41.8036, 0.2187, 0.2721)$

Have a look what the booklet for  
Yxy(41.8036, 0.2187, 0.2721)  
contains.

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# Color

**Yxy(41.8021, 0.2187, 0.2721)**

# Conversions

## Conversions Part 1

Format	Color
Hex	43BAE2
RGB	67, 186, 226
RGB Percent	26%, 73%, 89%
CMY	0.7372, 0.2706, 0.1138
CMYK	0.70, 0.18, 0.00, 0.11
HSL	195°, 73%, 57%
HSV	195°, 70%, 89%
XYZ	33.5984, 41.8021, 78.2272
YIQ	154.9790, -83.7640, -12.7880

# Conversions

## Conversions Part 2

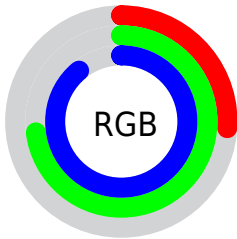
Format	Color
R <sub>Y</sub> B	67, 135, 226
Decimal	4438754
CIE Lab	70.73, -20.32, -29.59
CIE LCh	71, 35.893, 235.516
Yxy	41.8021, 0.2187, 0.2721
Android (android.graphics.Color)	4282628834 (0xFF43BAE2)
YUV	154.9790, 35.0134, -77.1576
Hunter-Lab	64.6545, -20.3861, -26.4783

# Details

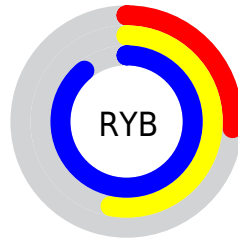
The Yxy color **41.8021, 0.2187, 0.2721** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted azure. A complement of this color would be **27.0823, 0.5135, 0.3696**, and the grayscale version is **32.6415, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.7108, 0.2465, 0.3138**, and **19.7153, 0.2045, 0.2562** is the 20% darker color. If you saturate the color by 10%, you get **38.8077, 0.2109, 0.2627**, and if you desaturate by 10%, it is **45.2061, 0.2284, 0.2815**.

# Distribution



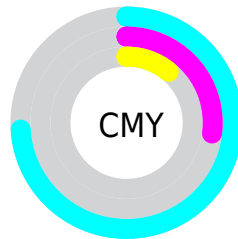
- Red (26%)
- Green (73%)
- Blue (89%)



- Red (26%)
- Yellow (53%)
- Blue (89%)



- Cyan (70%)
- Magenta (18%)
- Yellow (0%)
- Black (11%)




- Cyan (74%)
- Magenta (27%)
- Yellow (11%)


# Brightness & Saturation Gradients


These gradients show how the Yxy color 41.8021, 0.2187, 0.2721 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 41.8021, 0.2187, 0.2721 by changing the saturation by 10% instead.





 41.8021, 0.2187,  
0.2721


 41.8021, 0.2187,  
0.2721


 353.6619, 0.2644,  
0.3017


 28.9464, 0.2079,  
0.2645


 77.9000, 0.2349,  
0.2831

 19.0402, 0.1943,  
0.2547


 101.9110, 0.2411,  
0.2871

 11.6994, 0.1770,  
0.2416


 130.4092, 0.2465,  
0.2905

 6.5393, 0.1544,  
0.2235

 163.7790, 0.2510,  
0.2934

 3.1757, 0.1242,  
0.1973

 202.4047, 0.2550,  
0.2959

 1.2241, 0.0817,  
0.1578

 246.6709, 0.2586,

 0.0813, 0.0000,

0.2981

0.0291

296.9618, 0.2617,  
0.3000

0.0000, 0.0000,  
0.0000

41.8021, 0.2187,  
0.2721

41.8021, 0.2187,  
0.2721

38.8077, 0.2109,  
0.2627

45.2061, 0.2284,  
0.2815

36.1788, 0.2052,  
0.2532

49.0486, 0.2398,  
0.2906

33.9225, 0.2012,  
0.2443

53.3606, 0.2527,  
0.2993

58.1685, 0.2667,  
0.3076

63.4965, 0.2815,  
0.3153

69.3671, 0.2968,  
0.3224

75.8010, 0.3122,  
0.3288

82.8182, 0.3275,  
0.3346

87.3992, 0.3319,  
0.3401

# Harmonies

## Analogous

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



41.8021, 0.2272, 0.3138



41.8021, 0.2187, 0.2721



41.8021, 0.2322, 0.2499

# Triad

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



41.8021, 0.2187, 0.2721



41.8021, 0.3676, 0.2940



41.8021, 0.3547, 0.4236

# Complementary

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



41.8021, 0.2187, 0.2721



27.0823, 0.5135, 0.3696

# 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.



41.8021, 0.3965, 0.4079



41.8021, 0.2187, 0.2721



41.8021, 0.4059, 0.3328

# Square

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



41.8021, 0.2187, 0.2721



41.8021, 0.3151, 0.2638



41.8021, 0.4163, 0.3737



41.8021, 0.3036, 0.4090



# Rectangle

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



41.8021, 0.2187, 0.2721



41.8021, 0.2527, 0.2464



41.8021, 0.4163, 0.3737



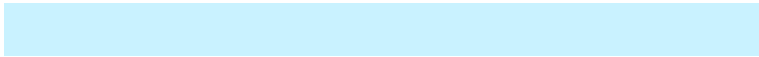
41.8021, 0.3703, 0.4213

# Sweetspot

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



41.8036, 0.2187, 0.2721



82.9282, 0.2803, 0.3147



56.6272, 0.2874, 0.5063



17.3214, 0.2762, 0.3126



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.



41.8036, 0.2187, 0.2721



49.5272, 0.2083, 0.2587



17.1488, 0.1890, 0.1524



14.9582, 0.2982, 0.3230



19.5566, 0.2016, 0.2458



1.4952, 0.2056, 0.2601



# Inverse Universe

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



23.7264, 0.3679, 0.2067



27.0558, 0.3826, 0.1969



51.7858, 0.4367, 0.4525



13.8737, 0.3176, 0.3116



10.8823, 0.3965, 0.1958



0.7684, 0.3823, 0.1880



# Previews

## White Background



This preview shows how the Yxy color 41.8021, 0.2187, 0.2721 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

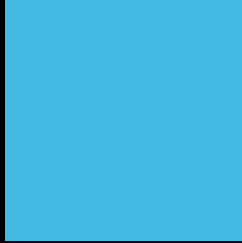
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 41.8021, 0.2187, 0.2721 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

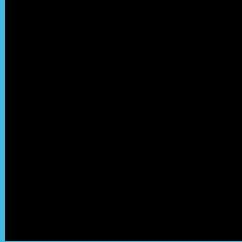
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 41.8021, 0.2187, 0.2721**

## **Background**



This preview shows how black text looks on a background with the Yxy color 41.8021, 0.2187, 0.2721.

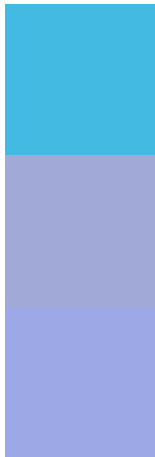


This preview shows how white text looks on a background with the Yxy color 41.8021, 0.2187, 0.2721.

# 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

41.8021, 0.2187, 0.2721

### Protanopia

41.1816, 0.2715, 0.2713

### Deuteranopia

41.1570, 0.2573, 0.2511



## Tritanopia

41.9916, 0.2253, 0.3062

# Trichromacy



**Original Color**

41.8021, 0.2187, 0.2721

**Protanomaly**

40.6246, 0.2466, 0.2712

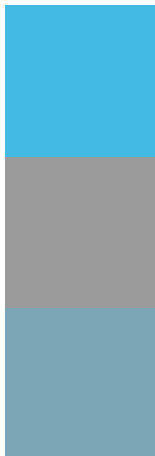
**Deuteranomaly**

40.6022, 0.2386, 0.2564

**Tritanomaly**

42.0988, 0.2228, 0.2935

# Monochromacy



**Original Color**

41.8021, 0.2187, 0.2721

**Achromatopsia**

32.7778, 0.3127, 0.3290

**Achromatomaly**

34.8196, 0.2649, 0.3059

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.8021, 0.2187, 0.2721 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(67, 186, 226)` looks like.

```
.text, #text, p{  
    color:rgb(67, 186, 226)  
}
```

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(67, 186, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 186, 226) }
```

## Border

The CSS property to change the border of an element to Yxy 41.8021, 0.2187, 0.2721 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(67, 186, 226) }
```

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

```
.border{ border-color:rgb(67, 186, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 186, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 186, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 186, 226);  
box-shadow:4px 4px 4px 4px rgb(67, 186,  
226) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.8021, 0.2187, 0.2721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 186, 226) }
```

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

```
.background{ background-color: rgb(67, 186,  
226) }
```

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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