

# Converting Colors

XYZ(38.0611, 47.5151, 83.1562)

Have a look what the booklet for  
XYZ(38.0611, 47.5151, 83.1562)  
contains.

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# Color

**XYZ(38.1879, 47.6435,  
83.5273)**

# Conversions

## Conversions Part 1

Format	Color
Hex	54C5E8
RGB	84, 197, 232
RGB Percent	33%, 77%, 91%
CMY	0.6706, 0.2274, 0.0902
CMYK	0.64, 0.15, 0.00, 0.09
HSL	194°, 76%, 62%
HSV	194°, 64%, 91%
XYZ	38.1879, 47.6435, 83.5273
YIQ	167.2030, -78.5830, -13.0710

# Conversions

## Conversions Part 2

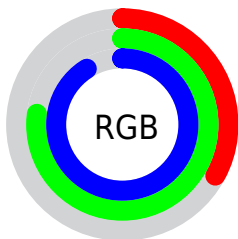
Format	Color
<b>RYB</b>	84, 148, 232
Decimal	5555688
CIELab	74.60, -21.57, -26.88
CIELCh	75, 34.462, 231.258
Yxy	47.6435, 0.2255, 0.2813
Android (android.graphics.Color)	4283745768 (0xFF54C5E8)
YUV	167.2030, 31.9449, -72.9690
Hunter-Lab	69.0243, -22.0368, -23.4307

# Details

The XYZ color **38.1879, 47.6435, 83.5273** 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 **41.4773, 30.9915, 12.1851**, and the grayscale version is **36.7079, 38.6195, 42.0567**.

A 20% lighter version of the original color is **65.5244, 84.3067, 107.4271**, and **17.6589, 22.7795, 44.5405** is the 20% darker color. If you saturate the color by 10%, you get **35.2219, 44.2995, 83.0391**, and if you desaturate by 10%, it is **41.8897, 51.4361, 84.0651**.

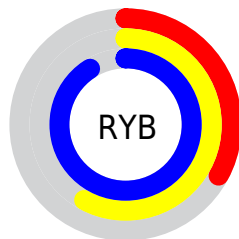
# Distribution



Red (33%)

Green (77%)

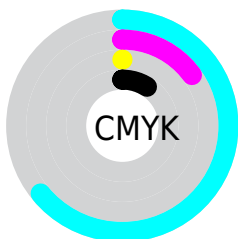
Blue (91%)



Red (33%)

Yellow (58%)

Blue (91%)

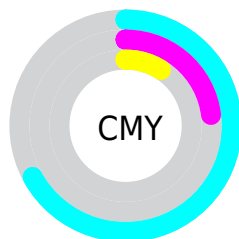


Cyan (64%)

Magenta (15%)

Yellow (0%)

Black (9%)



Cyan (67%)

Magenta (23%)

Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 38.1879, 47.6435, 83.5273 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 XYZ color 38.1879, 47.6435, 83.5273 by changing the saturation by 10% instead.



■ 38.1879, 47.6435,  
83.5273

■ 38.1879, 47.6435,  
83.5273

329.6923,  
377.3773, 526.7592

■ 26.3064, 33.5447,  
62.0821

■ 71.6981, 86.6734,  
140.1696

■ 17.1869, 22.5440,  
44.6628

■ 94.0575, 112.3732,  
176.2037

■ 10.4640, 14.2572,  
30.8509

■ 120.6403,  
142.7088, 217.9380

■ 5.7723, 8.2998,  
20.2278

■ 151.8118,  
178.0646, 265.7908

■ 2.7464, 4.2873,  
12.3751

187.9374,  
218.8249, 320.1808

■ 1.0211, 1.8356,  
6.8740

229.3825,

■ 0.0000, 0.5092,

265.3742, 381.5265

3.3062

276.5123,  
318.0969, 450.2465

■ 0.0000, 0.0000,  
1.2530

■ 0.0000, 0.0000,  
0.0228

■ 38.1879, 47.6435,  
83.5273

■ 38.1879, 47.6435,  
83.5273

■ 35.2219, 44.2995,  
83.0391

■ 41.8897, 51.4361,  
84.0651

■ 32.9158, 41.3613,  
82.5935

■ 46.3844, 55.7045,  
84.6521

■ 31.1843, 38.7852,  
82.1875

■ 51.7285, 60.4794,  
85.2921

■ 30.3146, 37.3242,  
81.9513

■ 57.9718, 65.7873,  
85.9876

65.1603, 71.6526,  
86.7408

73.3367, 78.0977,  
87.5539

82.5409, 85.1441,  
88.4289

87.2299, 89.9347,  
89.1064

88.8776, 93.2302,  
89.6557

# Harmonies

## Analogous

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



35.0047, 47.6435, 65.3461



38.1879, 47.6435, 83.5273



43.4860, 47.6435, 93.7480

# Triad

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



38.1879, 47.6435, 83.5273



58.1963, 47.6435, 57.2710



41.0747, 47.6435, 26.0060

# Complementary

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



38.1879, 47.6435, 83.5273



41.4773, 30.9915, 12.1851

# 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.



47.1304, 47.6435, 24.8025



38.1879, 47.6435, 83.5273



57.4004, 47.6435, 40.3966

# Square

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



38.1879, 47.6435, 83.5273



55.2926, 47.6435, 76.4654



53.2082, 47.6435, 29.4401



36.5620, 47.6435, 33.2190



# Rectangle

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



38.1879, 47.6435, 83.5273



47.6647, 47.6435, 93.3602



53.2082, 47.6435, 29.4401



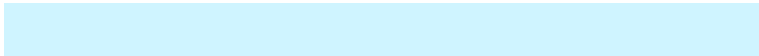
42.9834, 47.6435, 24.9629

# Sweetspot

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



38.1895, 47.6452, 83.5285



75.8697, 84.8469, 106.9861



35.8161, 60.9200, 27.1793



15.7040, 17.7210, 22.8428



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

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



38.1895, 47.6452, 83.5285



42.5270, 53.5272, 102.6981



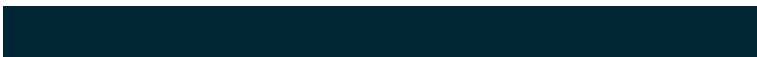
25.3644, 21.9951, 79.2534



14.5034, 15.7283, 18.4158



16.9308, 20.9237, 45.5295



1.3211, 1.6861, 3.3878



# Inverse Universe

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



46.5284, 27.5293, 55.6864



54.2409, 28.9340, 62.7661



53.8473, 55.7315, 16.3085



14.8417, 14.5539, 17.3668



22.9394, 11.3100, 24.3736

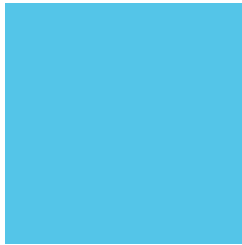


1.7304, 0.8499, 1.9870



# Previews

## White Background



This preview shows how the XYZ color 38.1879, 47.6435, 83.5273 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

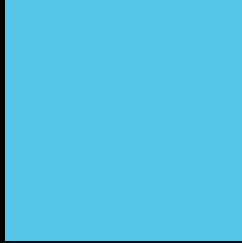
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 38.1879, 47.6435, 83.5273 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

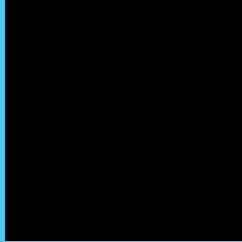
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 38.1879, 47.6435, 83.5273**

## **Background**



This preview shows how black text looks on a background with the XYZ color 38.1879, 47.6435, 83.5273.



This preview shows how white text looks on a background with the XYZ color 38.1879, 47.6435,



# 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

38.1879, 47.6435, 83.5273

### Protanopia

46.8977, 47.2137, 74.3515

### Deuteranopia

48.0550, 46.9543, 85.8872



## **Tritanopia**

36.0294, 47.8029, 72.2937

# Trichromacy



## Original Color

38.1879, 47.6435, 83.5273

## Protanomaly

42.2094, 46.5852, 77.2882

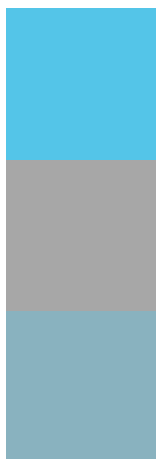
## Deuteranomaly

43.2018, 46.6049, 85.3159

## Tritanomaly

36.8327, 47.7830, 76.3890

# Monochromacy



## Original Color

38.1879, 47.6435, 83.5273

## Achromatopsia

36.7301, 38.6429, 42.0822

## Achromatomaly

35.6409, 40.9207, 55.3102

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 38.1879, 47.6435, 83.5273 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(84, 197, 232)` looks like.

```
.text, #text, p{  
    color:rgb(84, 197, 232)  
}
```

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(84, 197, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 197, 232) }
```

## Border

The CSS property to change the border of an element to XYZ 38.1879, 47.6435, 83.5273 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(84, 197, 232) }
```



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

```
.border{ border-color:rgb(84, 197, 232) }
```

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

Here you see how a box with a 4 pixel rgb(84, 197, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 197, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 197, 232);  
box-shadow:4px 4px 4px 4px rgb(84, 197,  
232) }
```

# Background

The CSS property to change the background color of an element to XYZ 38.1879, 47.6435, 83.5273 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 197, 232) }
```

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

```
.background{ background-color: rgb(84, 197,  
232) }
```

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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