

# Converting Colors

XYZ(30.5183, 39.8337, 67.0530)

Have a look what the booklet for  
XYZ(30.5183, 39.8337, 67.0530)  
contains.

<b>XYZ(30.5183, 39.8337, 67.0530)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(30.5183, 39.8337,  
67.0530)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3AB8D2
RGB	58, 184, 210
RGB Percent	23%, 72%, 82%
CMY	0.7725, 0.2784, 0.1765
CMYK	0.72, 0.12, 0.00, 0.18
HSL	190°, 63%, 53%
HSV	190°, 72%, 82%
XYZ	30.5183, 39.8337, 67.0530
YIQ	149.2900, -83.4420, -18.6260

# Conversions

## Conversions Part 2

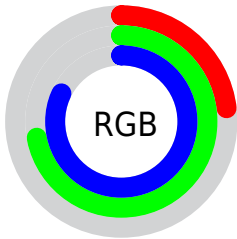
Format	Color
R <sub>YB</sub>	58, 127, 210
Decimal	3848402
CIE Lab	69.35, -25.51, -23.00
CIE LCh	69, 34.348, 222.038
Yxy	39.8337, 0.2221, 0.2899
Android (android.graphics.Color)	4282038482 (0xFF3AB8D2)
YUV	149.2900, 29.9300, -80.0613
Hunter-Lab	63.1139, -24.1370, -18.8106

# Details

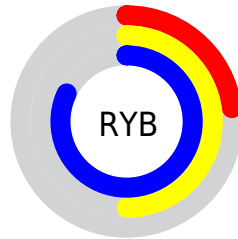
The XYZ color **30.5183, 39.8337, 67.0530** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted azure. A complement of this color would be **30.5137, 20.3495, 6.3240**, and the grayscale version is **28.5940, 30.0831, 32.7605**.

A 20% lighter version of the original color is **57.6675, 73.9002, 105.8325**, and **14.0327, 18.5992, 33.8607** is the 20% darker color. If you saturate the color by 10%, you get **28.8006, 37.8552, 66.7624**, and if you desaturate by 10%, it is **32.7551, 42.1095, 67.3751**.

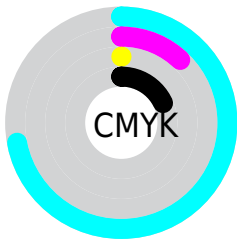
# Distribution



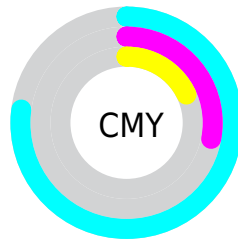
- Red (23%)
- Green (72%)
- Blue (82%)



- Red (23%)
- Yellow (50%)
- Blue (82%)



- Cyan (72%)
- Magenta (12%)
- Yellow (0%)
- Black (18%)



- Cyan (77%)
- Magenta (28%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 30.5183, 39.8337, 67.0530 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 30.5183, 39.8337, 67.0530 by changing the saturation by 10% instead.



■ 30.5183, 39.8337,  
67.0530

■ 30.5183, 39.8337,  
67.0530

296.1796,  
345.4221, 468.6400

■ 20.3823, 27.4089,  
48.6658

■ 59.8619, 74.9102,  
116.6377

■ 12.7832, 17.8806,  
33.9907

■ 79.8003, 98.3307,  
148.6724

■ 7.3554, 10.8643,  
22.6092

■ 103.7368,  
126.1853, 186.0932

■ 3.7336, 5.9756,  
14.1026

■ 132.0369,  
158.8582, 229.3189

■ 1.5526, 2.8303,  
8.0525

■ 165.0658,  
196.7340, 278.7678

■ 0.3612, 1.0438,  
4.0403

203.1890,

■ 0.0000, 0.0000,

240.1970, 334.8587

1.6475

246.7718,  
289.6316, 398.0099

■ 0.0000, 0.0000,  
0.3244

■ 0.0000, 0.0000,  
0.0000

■ 30.5183, 39.8337,  
67.0530

■ 30.5183, 39.8337,  
67.0530

■ 28.8006, 37.8552,  
66.7624

■ 32.7551, 42.1095,  
67.3751

■ 27.5332, 36.1360,  
66.4974

■ 35.5613, 44.7063,  
67.7285

■ 26.7845, 34.9561,  
66.3091

■ 38.9853, 47.6502,  
68.1162

■ 43.0693, 50.9631,  
68.5404

■ 47.8515, 54.6648,  
69.0029

■ 53.3673, 58.7738,  
69.5053

■ 59.6497, 63.3074,  
70.0492

■ 66.7295, 68.2815,  
70.6362

■ 74.6359, 73.7115,  
71.2676

# Harmonies

## Analogous

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



28.4077, 39.8337, 50.0195



30.5183, 39.8337, 67.0530



34.6837, 39.8337, 79.1516

# Triad

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



30.5183, 39.8337, 67.0530



48.8708, 39.8337, 53.4283



35.6919, 39.8337, 19.9341

# Complementary

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



30.5183, 39.8337, 67.0530



30.5137, 20.3495, 6.3240

# 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.



41.2261, 39.8337, 20.4218



30.5183, 39.8337, 67.0530



49.2078, 39.8337, 37.3414

# Square

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



30.5183, 39.8337, 67.0530



45.4149, 39.8337, 70.0644



46.2954, 39.8337, 26.0484



31.1944, 39.8337, 24.5002



# Rectangle

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



30.5183, 39.8337, 67.0530



38.2391, 39.8337, 81.3535



46.2954, 39.8337, 26.0484



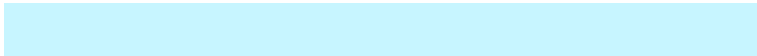
37.4849, 39.8337, 19.5502

# Sweetspot

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



30.5196, 39.8351, 67.0540



74.3514, 84.8979, 107.0759



26.3670, 47.6235, 16.0556



15.4541, 17.8209, 22.8752



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

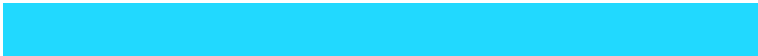


# Same Dimension

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



30.5196, 39.8351, 67.0540



43.5082, 57.1982, 103.3550



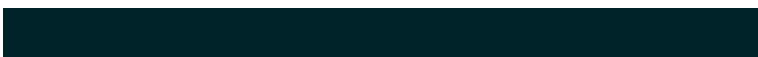
18.8125, 16.4209, 63.1516



11.9791, 13.0485, 15.1309



16.4028, 21.4521, 40.4686



0.9637, 1.2926, 2.2783



# Inverse Universe

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



36.7443, 20.1898, 47.3093



54.3192, 27.3685, 68.1007



39.7990, 38.9200, 9.4191



12.2204, 11.9729, 14.4362



20.9101, 10.2369, 25.4964

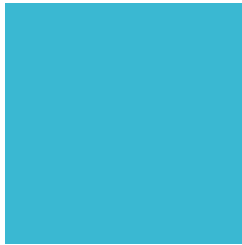


1.1927, 0.5818, 1.5493



# Previews

## White Background



This preview shows how the XYZ color 30.5183, 39.8337, 67.0530 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 30.5183, 39.8337, 67.0530 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

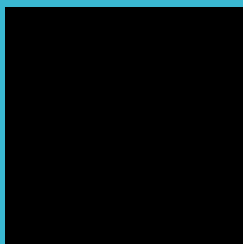
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

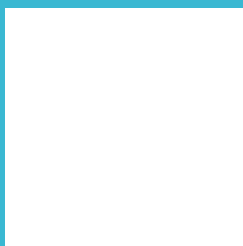
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 30.5183, 39.8337, 67.0530**

## **Background**



This preview shows how black text looks on a background with the XYZ color 30.5183, 39.8337, 67.0530.



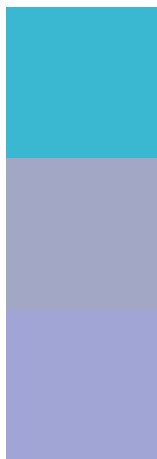
This preview shows how white text looks on a background with the XYZ color 30.5183, 39.8337,



# 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

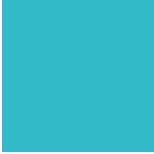
30.5183, 39.8337, 67.0530

### Protanopia

38.9121, 39.3960, 58.9794

### Deuteranopia

40.0899, 39.2389, 69.0792



## **Tritanopia**

29.4668, 40.0387, 61.4335

# Trichromacy



## Original Color

30.5183, 39.8337, 67.0530

## Protanomaly

33.9164, 38.4365, 61.5085

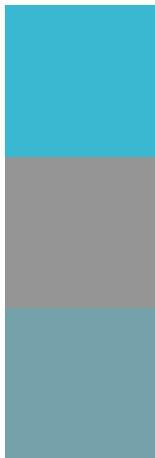
## Deuteranomaly

34.9311, 38.5201, 68.5448

## Tritanomaly

29.7694, 39.8418, 63.2480

# Monochromacy



## Original Color

30.5183, 39.8337, 67.0530

## Achromatopsia

28.5667, 30.0544, 32.7292

## Achromatomaly

27.4735, 32.4939, 43.3520

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 30.5183, 39.8337, 67.0530 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(58, 184, 210)` looks like.

```
.text, #text, p{  
    color:rgb(58, 184, 210)  
}
```

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(58, 184, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 184, 210) }
```

## Border

The CSS property to change the border of an element to XYZ 30.5183, 39.8337, 67.0530 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(58, 184, 210) }
```



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

```
.border{ border-color:rgb(58, 184, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 184, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 184, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 184, 210);  
box-shadow:4px 4px 4px 4px rgb(58, 184,  
210) }
```

# Background

The CSS property to change the background color of an element to XYZ 30.5183, 39.8337, 67.0530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 184, 210) }
```

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

```
.background{ background-color: rgb(58, 184,  
210) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor