

# Converting Colors

XYZ(38.5936, 52.1968, 84.5096)

Have a look what the booklet for  
XYZ(38.5936, 52.1968, 84.5096)  
contains.

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# Color

**XYZ(38.4927, 52.0080,  
84.3537)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2ED1E8
RGB	46, 209, 232
RGB Percent	18%, 82%, 91%
CMY	0.8195, 0.1804, 0.0902
CMYK	0.80, 0.10, 0.00, 0.09
HSL	187°, 80%, 55%
HSV	187°, 80%, 91%
XYZ	38.4927, 52.0080, 84.3537
YIQ	162.8850, -104.5310, -27.4030

# Conversions

## Conversions Part 2

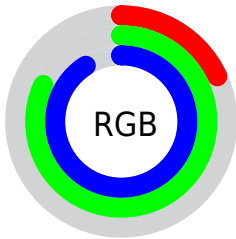
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	46, 133, 232
Decimal	3068392
CIE <sub>Lab</sub>	77.29, -32.17, -22.85
CIE <sub>LCh</sub>	77, 39.455, 215.389
Yxy	52.0080, 0.2201, 0.2974
Android (android.graphics.Color)	4281258472 (0xFF2ED1E8)
YUV	162.8850, 34.0737, -102.5081
Hunter-Lab	72.1166, -30.9284, -18.8690

# Details

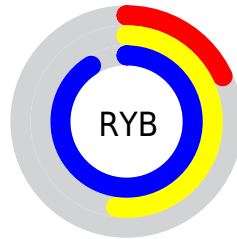
The XYZ color **38.4927, 52.0080, 84.3537** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **35.9017, 21.6116, 4.8658**, and the grayscale version is **34.6413, 36.4453, 39.6890**.

A 20% lighter version of the original color is **62.1222, 83.0251, 107.3590**, and **19.3921, 26.2458, 45.1182** is the 20% darker color. If you saturate the color by 10%, you get **37.0185, 50.2135, 84.0860**, and if you desaturate by 10%, it is **40.5468, 54.1224, 84.6545**.

# Distribution



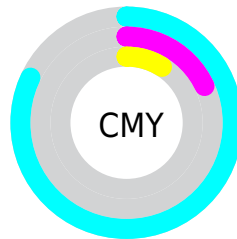
- Red (18%)
- Green (82%)
- Blue (91%)



- Red (18%)
- Yellow (52%)
- Blue (91%)



- Cyan (80%)
- Magenta (10%)
- Yellow (0%)
- Black (9%)




- Cyan (82%)
- Magenta (18%)
- Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 38.4927, 52.0080, 84.3537 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 38.4927, 52.0080, 84.3537 by changing the saturation by 10% instead.





 38.4927, 52.0080,  
84.3537


 38.4927, 52.0080,  
84.3537


330.9733,  
394.4675, 529.5758


 26.5443, 37.0115,  
62.7604


 72.1617, 93.1430,  
141.3360


 17.3661, 25.2164,  
45.2077


 94.6130, 120.0503,  
177.5621


 10.5927, 16.2383,  
31.2769


 121.2960,  
151.6966, 219.5028

 5.8590, 9.6930,  
20.5496

 152.5760,  
188.4664, 267.5768

 2.7993, 5.1959,  
12.6071

 188.8184,  
230.7439, 322.2025

 1.0486, 2.3626,  
7.0310

230.3884,

 0.0000, 0.8066,

278.9137, 383.7986

3.4028

277.6516,  
333.3601, 452.7835

■ 0.0000, 0.0000,  
1.3038

■ 0.0000, 0.0000,  
0.0649

■ 38.4927, 52.0080,  
84.3537

■ 38.4927, 52.0080,  
84.3537

■ 37.0185, 50.2135,  
84.0860


■ 40.5468, 54.1224,  
84.6545


■ 35.9955, 48.6859,  
83.8451


■ 43.2556, 56.5921,  
84.9885


■ 46.6877, 59.4537,  
85.3599


■ 50.9017, 62.7375,  
85.7717

 55.9502, 66.4707,  
86.2262

 61.8811, 70.6781,  
86.7257

 68.7388, 75.3826,  
87.2723

 76.5643, 80.6056,  
87.8680

 85.3966, 86.3672,  
88.5146

# Harmonies

## Analogous

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



36.3140, 52.0080, 60.6326



38.4927, 52.0080, 84.3537



43.6162, 52.0080, 103.5950

# Triad

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



38.4927, 52.0080, 84.3537



63.8770, 52.0080, 75.8170



48.0780, 52.0080, 24.4457

# Complementary

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



38.4927, 52.0080, 84.3537



35.9017, 21.6116, 4.8658

# 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.



55.7432, 52.0080, 26.5612



38.4927, 52.0080, 84.3537



65.3807, 52.0080, 52.8035

# Square

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



38.4927, 52.0080, 84.3537



58.3472, 52.0080, 97.8502



62.2694, 52.0080, 35.7595



41.4747, 52.0080, 28.9947

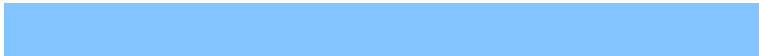


# Rectangle

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



38.4927, 52.0080, 84.3537



48.2714, 52.0080, 109.1527



62.2694, 52.0080, 35.7595



50.6111, 52.0080, 24.4175

# Sweetspot

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



38.4944, 52.0099, 84.3550



73.6399, 85.4490, 107.2198



31.0192, 58.7091, 15.1205



15.2051, 17.8935, 22.9023



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

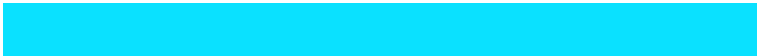


# Same Dimension

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



38.4944, 52.0099, 84.3550



45.0296, 60.9896, 104.0066



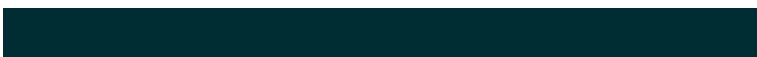
22.0908, 19.2028, 78.8871



14.6474, 16.0162, 18.4638



20.0465, 27.1550, 46.5681



1.5243, 2.0925, 3.4555



# Inverse Universe

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



45.7658, 23.7150, 62.4888



54.9043, 26.9029, 73.3391



46.4664, 42.7410, 8.3874



14.9144, 14.5829, 17.7494



24.5120, 11.9390, 32.6550

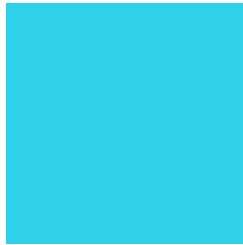


1.8330, 0.8909, 2.5271



# Previews

## White Background



This preview shows how the XYZ color 38.4927, 52.0080, 84.3537 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

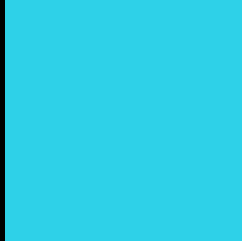
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 38.4927, 52.0080, 84.3537 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

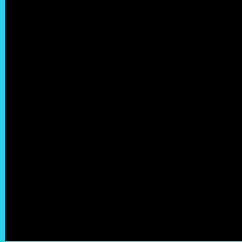
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 38.4927, 52.0080, 84.3537**

## **Background**



This preview shows how black text looks on a background with the XYZ color 38.4927, 52.0080, 84.3537.



This preview shows how white text looks on a background with the XYZ color 38.4927, 52.0080,



# 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

38.4927, 52.0080, 84.3537

### Protanopia

50.4053, 51.2187, 73.5592

### Deuteranopia

52.3734, 51.2995, 87.2622



## Tritanopia

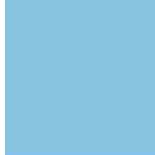
37.8262, 52.1107, 80.7378

# Trichromacy



## Original Color

38.4927, 52.0080, 84.3537



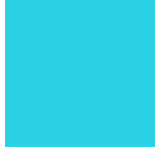
## Protanomaly

42.8907, 49.8759, 77.1785



## Deuteranomaly

43.9600, 49.5683, 85.8480



## Tritanomaly

38.1857, 52.2639, 82.2041

# Monochromacy



## Original Color

38.4927, 52.0080, 84.3537



## Achromatopsia

34.8123, 36.6253, 39.8849



## Achromatomaly

33.1441, 40.2664, 53.6023

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 38.4927, 52.0080, 84.3537 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(46, 209, 232)` looks like.

```
.text, #text, p{  
    color:rgb(46, 209, 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(46, 209, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 209, 232) }
```

## Border

The CSS property to change the border of an element to XYZ 38.4927, 52.0080, 84.3537 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(46, 209, 232) }
```



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

```
.border{ border-color:rgb(46, 209, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 209, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 209, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 209, 232);  
box-shadow:4px 4px 4px 4px rgb(46, 209,  
232) }
```

# Background

The CSS property to change the background color of an element to XYZ 38.4927, 52.0080, 84.3537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 209, 232) }
```

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

```
.background{ background-color: rgb(46, 209,  
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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