

# Converting Colors

XYZ(38.2661, 49.0583, 75.7975)

Have a look what the booklet for  
XYZ(38.2661, 49.0583, 75.7975)  
contains.

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# Color

**XYZ(38.3514, 49.2691,  
75.8952)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5CC9DD
RGB	92, 201, 221
RGB Percent	36%, 79%, 87%
CMY	0.6392, 0.2118, 0.1333
CMYK	0.58, 0.09, 0.00, 0.13
HSL	189°, 65%, 61%
HSV	189°, 58%, 87%
XYZ	38.3514, 49.2691, 75.8952
YIQ	170.6890, -71.3840, -16.8880

# Conversions

## Conversions Part 2

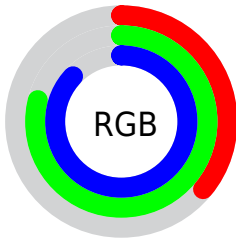
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	92, 151, 221
Decimal	6080989
CIE Lab	75.62, -25.43, -19.37
CIE LCh	76, 31.967, 217.289
Yxy	49.2691, 0.2345, 0.3013
Android (android.graphics.Color)	4284271069 (0xFF5CC9DD)
YUV	170.6890, 24.8033, -69.0103
Hunter-Lab	70.1920, -25.3073, -14.9731

# Details

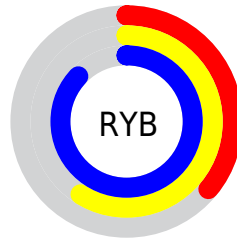
The XYZ color **38.3514, 49.2691, 75.8952** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **37.5458, 27.7344, 13.5010**, and the grayscale version is **38.4595, 40.4624, 44.0636**.

A 20% lighter version of the original color is **66.9469, 85.5123, 107.5848**, and **17.3417, 23.6335, 39.7241** is the 20% darker color. If you saturate the color by 10%, you get **35.6679, 46.7142, 75.5444**, and if you desaturate by 10%, it is **41.6996, 52.1952, 76.2844**.

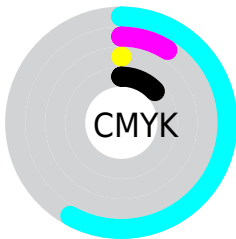
# Distribution



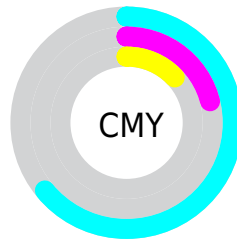
- Red (36%)
- Green (79%)
- Blue (87%)



- Red (36%)
- Yellow (59%)
- Blue (87%)



- Cyan (58%)
- Magenta (9%)
- Yellow (0%)
- Black (13%)



- Cyan (64%)
- Magenta (21%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 38.3514, 49.2691, 75.8952 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 38.3514, 49.2691, 75.8952 by changing the saturation by 10% instead.



38.3514, 49.2691,  
75.8952

38.3514, 49.2691,  
75.8952

330.3798,  
383.8007, 500.3262

26.4340, 34.8330,  
55.8404

71.9469, 89.0910,  
129.3375

17.2830, 23.5343,  
39.6719

94.3556, 115.2456,  
163.5621

10.5330, 14.9885,  
26.9710

120.9922,  
146.0751, 203.3470

5.8187, 8.8113,  
17.3192

152.2219,  
181.9640, 249.1109

2.7748, 4.6183,  
10.2980

188.4102,  
223.2966, 301.2722

1.0358, 2.0251,  
5.4888

229.9224,

0.0000, 0.6220,

270.4573, 360.2495

2.4731

277.1238,  
323.8306, 426.4613

■ 0.0000, 0.0000,  
0.8258

■ 0.0000, 0.0000,  
0.0000

■ 38.3514, 49.2691,  
75.8952

■ 38.3514, 49.2691,  
75.8952

■ 35.6679, 46.7142,  
75.5444

■ 41.6996, 52.1952,  
76.2844

■ 33.5865, 44.4950,  
75.2257

■ 45.7589, 55.5134,  
76.7110

■ 32.0407, 42.5779,  
74.9372

■ 50.5765, 59.2494,  
77.1782

■ 30.9302, 40.9113,  
74.6740

■ 56.1946, 63.4249,  
77.6880

■ 30.7665, 40.6508,  
74.6324

■ 62.6519, 68.0603,  
78.2424

■ 69.9848, 73.1742,  
78.8430

■ 78.2273, 78.7845,  
79.4915

■ 82.1484, 82.1946,  
79.9430

■ 83.1026, 84.1030,  
80.2611

# Harmonies

## Analogous

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



36.4300, 49.2691, 57.8849



38.3514, 49.2691, 75.8952



42.5740, 49.2691, 89.6470

# Triad

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



38.3514, 49.2691, 75.8952



58.1221, 49.2691, 67.2280



45.4007, 49.2691, 27.3909

# Complementary

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



38.3514, 49.2691, 75.8952



37.5458, 27.7344, 13.5010

# 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.



51.3580, 49.2691, 28.8615



38.3514, 49.2691, 75.8952



59.0390, 49.2691, 49.6187

# Square

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



38.3514, 49.2691, 75.8952



54.0619, 49.2691, 83.9530



56.4716, 49.2691, 36.2345



40.2715, 49.2691, 31.6821



# Rectangle

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



38.3514, 49.2691, 75.8952



46.2930, 49.2691, 93.1977



56.4716, 49.2691, 36.2345



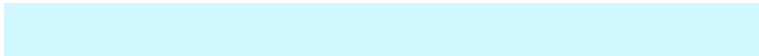
47.3687, 49.2691, 27.2463

# Sweetspot

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



38.3529, 49.2709, 75.8964



77.9046, 87.8535, 107.4592



33.1599, 55.1448, 24.0380



16.1601, 18.4270, 22.9550



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

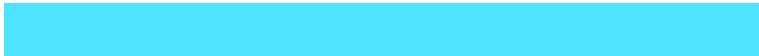


# Same Dimension

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



38.3529, 49.2709, 75.8964



48.6291, 63.8944, 104.3776



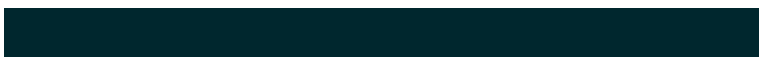
26.4332, 25.4314, 71.9231



13.2640, 14.4677, 16.7456



17.9405, 23.7504, 43.3771



1.2096, 1.6334, 2.8260



# Inverse Universe

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



44.1899, 27.2449, 58.1901



57.7694, 32.0622, 76.0539



47.2477, 47.1382, 16.7349



13.5231, 13.2383, 16.0159



22.5509, 11.0214, 28.3446

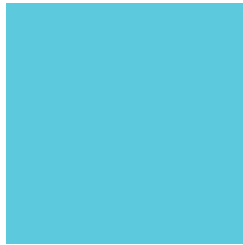


1.4849, 0.7236, 1.9622



# Previews

## White Background



This preview shows how the XYZ color 38.3514, 49.2691, 75.8952 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

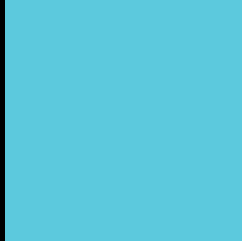
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 38.3514, 49.2691, 75.8952 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 38.3514, 49.2691, 75.8952**

## **Background**



This preview shows how black text looks on a background with the XYZ color 38.3514, 49.2691, 75.8952.



This preview shows how white text looks on a background with the XYZ color 38.3514, 49.2691,



# 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

38.3514, 49.2691, 75.8952

### Protanopia

47.8294, 48.7579, 67.8631

### Deuteranopia

49.6429, 48.5513, 77.9890



## **Tritanopia**

38.0898, 49.5272, 73.8818

# Trichromacy



**Original Color**

38.3514, 49.2691, 75.8952

**Protanomaly**

42.9455, 48.0715, 70.6336

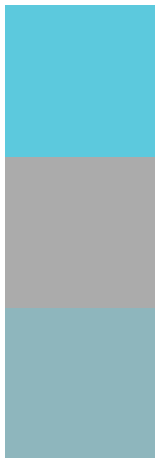
**Deuteranomaly**

44.0154, 47.8323, 77.4337

**Tritanomaly**

38.2211, 49.5797, 74.5732

# Monochromacy



**Original Color**

38.3514, 49.2691, 75.8952

**Achromatopsia**

38.7082, 40.7240, 44.3485

**Achromatomaly**

37.0686, 42.8808, 54.4672

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 38.3514, 49.2691, 75.8952 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(92, 201, 221)` looks like.

```
.text, #text, p{  
    color:rgb(92, 201, 221)  
}
```

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(92, 201, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 201, 221) }
```

## Border

The CSS property to change the border of an element to XYZ 38.3514, 49.2691, 75.8952 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(92, 201, 221) }
```



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

```
.border{ border-color:rgb(92, 201, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 201, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 201, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 201, 221);  
box-shadow:4px 4px 4px 4px rgb(92, 201,  
221) }
```

# Background

The CSS property to change the background color of an element to XYZ 38.3514, 49.2691, 75.8952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 201, 221) }
```

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

```
.background{ background-color: rgb(92, 201,  
221) }
```

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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