

# Converting Colors

XYZ(37.1302, 51.0477, 77.0040)

Have a look what the booklet for XYZ(37.1302, 51.0477, 77.0040) contains.

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# Color

**XYZ(37.1569, 51.1157,  
77.0152)**

# Conversions

## Conversions Part 1

Format	Color
Hex	34D0DE
RGB	52, 208, 222
RGB Percent	20%, 82%, 87%
CMY	0.7960, 0.1843, 0.1294
CMYK	0.77, 0.06, 0.00, 0.13
HSL	185°, 72%, 54%
HSV	185°, 77%, 87%
XYZ	37.1569, 51.1157, 77.0152
YIQ	162.9520, -97.4700, -28.7180

# Conversions

## Conversions Part 2

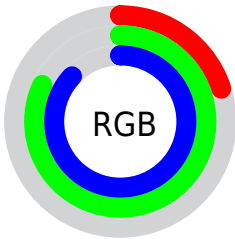
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	52, 133, 222
Decimal	3461342
CIE <sub>Lab</sub>	76.75, -34.18, -18.29
CIE <sub>LCh</sub>	77, 38.766, 208.144
Yxy	51.1157, 0.2248, 0.3093
Android (android.graphics.Color)	4281651422 (0xFF34D0DE)
YUV	162.9520, 29.1107, -97.3049
Hunter-Lab	71.4952, -32.3482, -13.8210

# Details

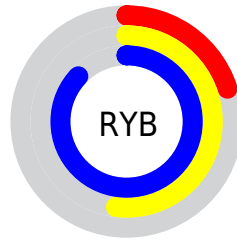
The XYZ color **37.1569, 51.1157, 77.0152** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **32.6938, 19.6759, 5.3252**, and the grayscale version is **34.6927, 36.4994, 39.7478**.

A 20% lighter version of the original color is **62.4142, 83.1756, 107.3727**, and **18.3663, 25.5725, 40.5272** is the 20% darker color. If you saturate the color by 10%, you get **35.8284, 49.7740, 76.8272**, and if you desaturate by 10%, it is **39.0305, 52.7482, 77.2325**.

# Distribution



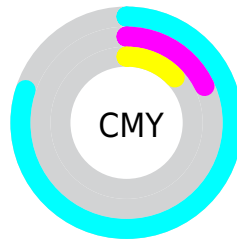
- Red (20%)
- Green (82%)
- Blue (87%)



- Red (20%)
- Yellow (52%)
- Blue (87%)



- Cyan (77%)
- Magenta (6%)
- Yellow (0%)
- Black (13%)




- Cyan (80%)
- Magenta (18%)
- Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.1569, 51.1157, 77.0152 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 37.1569, 51.1157, 77.0152 by changing the saturation by 10% instead.





 37.1569, 51.1157,  
77.0152


 37.1569, 51.1157,  
77.0152


325.3331,  
391.0131, 504.2549


 25.5032, 36.3007,  
56.7537


 70.1263, 91.8258,  
130.9341


 16.5831, 24.6665,  
40.3995


 92.1727, 118.4896,  
165.4287


 10.0312, 15.8288,  
27.5340


 118.4141,  
149.8719, 205.5047

 5.4820, 9.4031,  
17.7387

 149.2159,  
186.3570, 251.5806

 2.5704, 5.0050,  
10.5951

 184.9433,  
228.3292, 304.0751

 0.9309, 2.2502,  
5.6845

225.9617,

 0.0000, 0.7472,

276.1731, 363.4066

2.5885

272.6365,  
330.2729, 429.9937

■ 0.0000, 0.0000,  
0.8865

■ 0.0000, 0.0000,  
0.0000

■ 37.1569, 51.1157,  
77.0152

■ 37.1569, 51.1157,  
77.0152

■ 35.8284, 49.7740,  
76.8272

■ 39.0305, 52.7482,  
77.2325

■ 34.9556, 48.6737,  
76.6608

■ 41.5110, 54.7001,  
77.4785

■ 34.7112, 48.3264,  
76.6067

■ 44.6571, 57.0028,  
77.7572

■ 48.5190, 59.6823,  
78.0708

■ 53.1424, 62.7621,  
78.4216

■ 58.5689, 66.2636,  
78.8115

■ 64.8372, 70.2068,  
79.2422

■ 71.9835, 74.6105,  
79.7155

■ 80.0418, 79.4922,  
80.2331

# Harmonies

## Analogous

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



35.7829, 51.1157, 54.3557



37.1569, 51.1157, 77.0152



41.4999, 51.1157, 97.6013

# Triad

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



37.1569, 51.1157, 77.0152



61.6043, 51.1157, 79.8692



49.0431, 51.1157, 24.2113

# Complementary

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



37.1569, 51.1157, 77.0152



32.6938, 19.6759, 5.3252

# 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.



56.4315, 51.1157, 27.8695



37.1569, 51.1157, 77.0152



64.1231, 51.1157, 56.9775

# Square

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



37.1569, 51.1157, 77.0152



55.5601, 51.1157, 99.5200



62.1421, 51.1157, 38.6638



42.2177, 51.1157, 27.0510



# Rectangle

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



37.1569, 51.1157, 77.0152



45.7377, 51.1157, 105.4110



62.1421, 51.1157, 38.6638



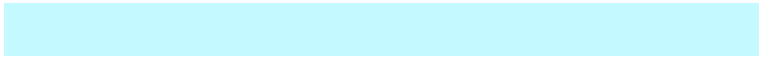
51.5459, 51.1157, 24.6980

# Sweetspot

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



37.1585, 51.1176, 77.0164



75.1446, 87.4797, 107.5325



28.4455, 53.3365, 13.5494



15.5352, 18.3665, 22.9762



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.



37.1585, 51.1176, 77.0164



48.2502, 67.1800, 105.0317



22.0214, 20.8433, 71.9707



14.0150, 15.3691, 17.6155



20.6570, 28.7835, 45.5154



1.4608, 2.0530, 3.1645



# Inverse Universe

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



42.7388, 22.5413, 61.7747



56.5912, 27.8121, 81.4993



41.3882, 37.0647, 8.2234



14.2438, 13.9151, 17.0539



24.3669, 11.8138, 34.9275

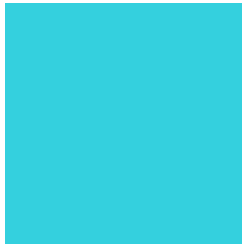


1.7036, 0.8247, 2.4979



# Previews

## White Background



This preview shows how the XYZ color 37.1569, 51.1157, 77.0152 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

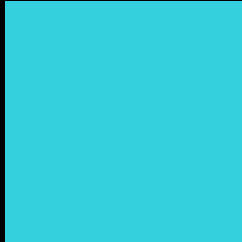
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 37.1569, 51.1157, 77.0152 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

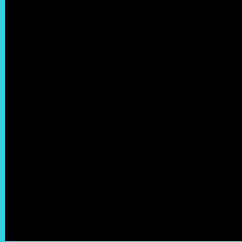
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

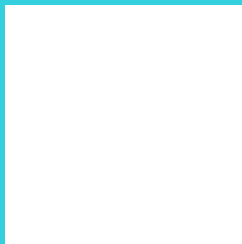
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 37.1569, 51.1157, 77.0152

## Background



This preview shows how black text looks on a background with the XYZ color 37.1569, 51.1157, 77.0152.



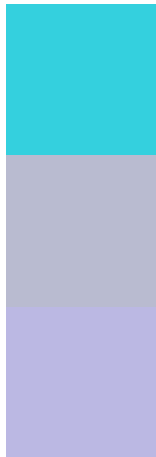
This preview shows how white text looks on a background with the XYZ color 37.1569, 51.1157,



# 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

37.1569, 51.1157, 77.0152

### Protanopia

49.1631, 50.4090, 66.8132

### Deuteranopia

51.4991, 50.3918, 79.6853



## Tritanopia

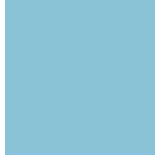
37.5317, 51.2778, 78.4405

# Trichromacy



## Original Color

37.1569, 51.1157, 77.0152



## Protanomaly

41.8419, 49.1527, 70.2329



## Deuteranomaly

43.1418, 48.9794, 78.4143



## Tritanomaly

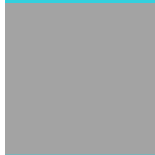
37.3434, 51.1963, 77.7257

# Monochromacy



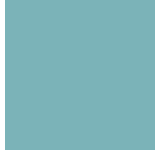
## Original Color

37.1569, 51.1157, 77.0152



## Achromatopsia

34.8123, 36.6253, 39.8849



## Achromatomaly

32.9402, 39.9118, 51.3150

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.1569, 51.1157, 77.0152 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(52, 208, 222)` looks like.

```
.text, #text, p{  
    color:rgb(52, 208, 222)  
}
```

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(52, 208, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 208, 222) }
```

## Border

The CSS property to change the border of an element to XYZ 37.1569, 51.1157, 77.0152 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(52, 208, 222) }
```



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

```
.border{ border-color:rgb(52, 208, 222) }
```

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

Here you see how a box with a 4 pixel rgb(52, 208, 222) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 208, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 208, 222);  
box-shadow:4px 4px 4px 4px rgb(52, 208,  
222) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.1569, 51.1157, 77.0152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 208, 222) }
```

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

```
.background{ background-color: rgb(52, 208,  
222) }
```

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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