

# Converting Colors

XYZ(36.7363, 52.0976, 73.0480)

Have a look what the booklet for  
XYZ(36.7363, 52.0976, 73.0480)  
contains.

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# Color

**XYZ(36.7276, 52.0819,  
73.0828)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2CD3D8
RGB	44, 211, 216
RGB Percent	17%, 83%, 85%
CMY	0.8274, 0.1725, 0.1529
CMYK	0.80, 0.02, 0.00, 0.15
HSL	182°, 69%, 51%
HSV	182°, 80%, 85%
XYZ	36.7276, 52.0819, 73.0828
YIQ	161.6370, -101.1370, -33.8490

# Conversions

## Conversions Part 2

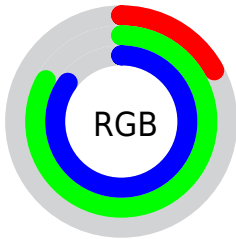
Format	Color
R <sub>Y</sub> B	44, 129, 216
Decimal	2937816
CIE Lab	77.33, -38.10, -14.20
CIE LCh	77, 40.659, 200.439
Yxy	52.0819, 0.2269, 0.3217
Android (android.graphics.Color)	4281127896 (0xFF2CD3D8)
YUV	161.6370, 26.8010, -103.1676
Hunter-Lab	72.1678, -35.4515, -9.5243

# Details

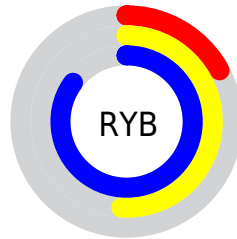
The XYZ color **36.7276, 52.0819, 73.0828** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **29.8730, 16.9787, 4.0869**, and the grayscale version is **34.0881, 35.8633, 39.0551**.

A 20% lighter version of the original color is **61.8360, 82.8776, 107.3456**, and **18.3215, 26.3501, 37.8387** is the 20% darker color. If you saturate the color by 10%, you get **35.8743, 51.4121, 72.9994**, and if you desaturate by 10%, it is **38.0670, 53.0055, 73.1914**.

# Distribution



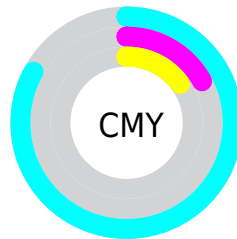
- Red (17%)
- Green (83%)
- Blue (85%)



- Red (17%)
- Yellow (51%)
- Blue (85%)



- Cyan (80%)
- Magenta (2%)
- Yellow (0%)
- Black (15%)



- Cyan (83%)
- Magenta (17%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 36.7276, 52.0819, 73.0828 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 36.7276, 52.0819, 73.0828 by changing the saturation by 10% instead.



36.7276, 52.0819,  
73.0828

36.7276, 52.0819,  
73.0828

323.5057,  
394.7527, 490.3802

25.1694, 37.0704,  
53.5514

69.4702, 93.2520,  
125.3168

16.3327, 25.2620,  
37.8524

91.3852, 120.1794,  
158.8564

9.8522, 16.2723,  
25.5672

117.4833,  
151.8475, 197.9026

5.3626, 9.7171,  
16.2773

148.1297,  
188.6407, 242.8739

2.4985, 5.2118,  
9.5641

183.6898,  
230.9434, 294.1887

0.8945, 2.3720,  
5.0091

224.5289,

0.0000, 0.8115,

279.1401, 352.2657

2.1938

271.0124,  
333.6150, 417.5233

■ 0.0000, 0.0000,  
0.6708

■ 0.0000, 0.0000,  
0.0000

■ 36.7276, 52.0819,  
73.0828

■ 36.7276, 52.0819,  
73.0828

■ 35.8743, 51.4121,  
72.9994

■ 38.0670, 53.0055,  
73.1914

■ 35.3894, 50.9319,  
72.9323

■ 39.9535, 54.2109,  
73.3247

■ 35.3734, 50.9150,  
72.9299

■ 42.4443, 55.7287,  
73.4864

■ 45.5882, 57.5841,  
73.6788

■ 49.4289, 59.7997,  
73.9040

■ 54.0064, 62.3960,  
74.1639

■ 59.3577, 65.3921,  
74.4602

■ 65.5173, 68.8058,  
74.7944

■ 72.5176, 72.6538,  
75.1682

# Harmonies

## Analogous

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



36.1274, 52.0819, 49.8637



36.7276, 52.0819, 73.0828



40.5448, 52.0819, 96.7231

# Triad

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



36.7276, 52.0819, 73.0828



61.9989, 52.0819, 88.7287



52.0375, 52.0819, 24.0039

# Complementary

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



36.7276, 52.0819, 73.0828



29.8730, 16.9787, 4.0869

# 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.



59.6905, 52.0819, 29.6048



36.7276, 52.0819, 73.0828



65.8275, 52.0819, 64.1523

# Square

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



36.7276, 52.0819, 73.0828



54.9309, 52.0819, 107.2782



64.9410, 52.0819, 42.9829



44.4437, 52.0819, 25.2126



# Rectangle

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



36.7276, 52.0819, 73.0828



44.6450, 52.0819, 107.6229



64.9410, 52.0819, 42.9829



54.6997, 52.0819, 25.0816

# Sweetspot

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



36.7292, 52.0838, 73.0841



75.4421, 89.0534, 107.8205



26.1062, 49.8525, 10.9232



15.6465, 18.7762, 23.0495



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.



36.7292, 52.0838, 73.0841



51.7100, 74.3504, 106.2334



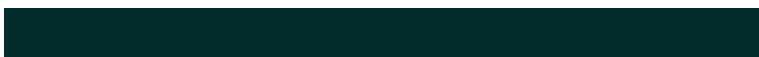
21.0417, 20.7089, 67.8549



12.7598, 14.0430, 15.9756



20.9517, 30.1652, 43.1713



1.2737, 1.8393, 2.6072



# Inverse Universe

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



40.9788, 21.1048, 63.5439



58.2763, 28.2516, 91.0957



37.1445, 31.5216, 6.5107



12.9367, 12.6262, 15.6070



23.6343, 11.3900, 36.9739

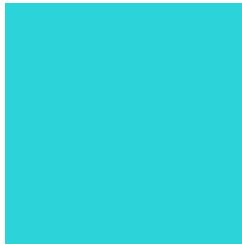


1.4305, 0.6890, 2.2566



# Previews

## White Background



This preview shows how the XYZ color 36.7276, 52.0819, 73.0828 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

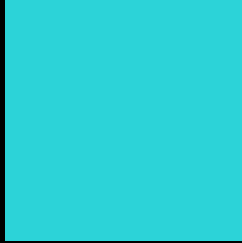
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 36.7276, 52.0819, 73.0828 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

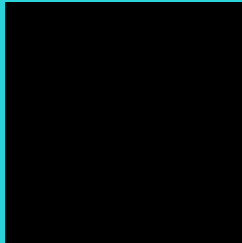
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

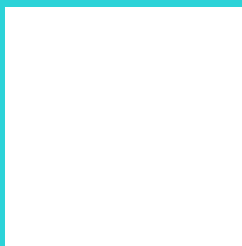
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 36.7276, 52.0819, 73.0828**

## **Background**



This preview shows how black text looks on a background with the XYZ color 36.7276, 52.0819, 73.0828.



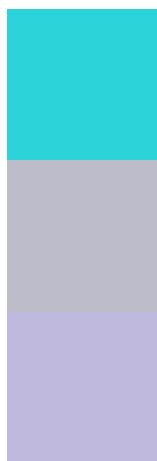
This preview shows how white text looks on a background with the XYZ color 36.7276, 52.0819,



# 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

36.7276, 52.0819, 73.0828

### Protanopia

49.6302, 51.0495, 63.1149

### Deuteranopia

52.2720, 51.1783, 76.2306



## Tritanopia

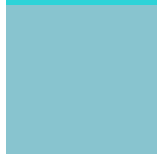
37.9961, 51.8488, 79.9567

# Trichromacy



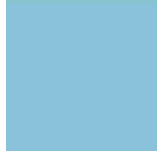
## Original Color

36.7276, 52.0819, 73.0828



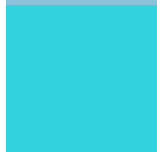
## Protanomaly

41.1558, 49.2191, 66.3626



## Deuteranomaly

42.6913, 49.1542, 74.9478



## Tritanomaly

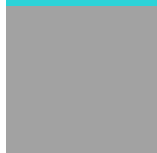
37.5468, 52.0452, 77.1741

# Monochromacy



## Original Color

36.7276, 52.0819, 73.0828



## Achromatopsia

34.3422, 36.1307, 39.3463



## Achromatomaly

32.3725, 39.9419, 50.2593

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 36.7276, 52.0819, 73.0828 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(44, 211, 216)` looks like.

```
.text, #text, p{  
    color:rgb(44, 211, 216)  
}
```

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(44, 211, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 211, 216) }
```

## Border

The CSS property to change the border of an element to XYZ 36.7276, 52.0819, 73.0828 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(44, 211, 216) }
```



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

```
.border{ border-color:rgb(44, 211, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 211, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 211, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 211, 216);  
box-shadow:4px 4px 4px 4px rgb(44, 211,  
216) }
```

# Background

The CSS property to change the background color of an element to XYZ 36.7276, 52.0819, 73.0828 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 211, 216) }
```

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

```
.background{ background-color: rgb(44, 211,  
216) }
```

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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