

Converting Colors

XYZ(37.8220, 52.3680, 69.0852)

Have a look what the booklet for
XYZ(37.8220, 52.3680, 69.0852)
contains.

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Color

**XYZ(37.8213, 52.3660,
69.0870)**

Conversions

Conversions Part 1

Format	Color
Hex	4ED2D2
RGB	78, 210, 210
RGB Percent	31%, 82%, 82%
CMY	0.6941, 0.1765, 0.1765
CMYK	0.63, 0.00, 0.00, 0.18
HSL	180°, 59%, 56%
HSV	180°, 63%, 82%
XYZ	37.8213, 52.3660, 69.0870
YIQ	170.5320, -78.6720, -27.9840

Conversions

Conversions Part 2

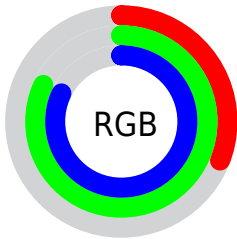
Format	Color
RYB	78, 144, 210
Decimal	5165778
CIELab	77.50, -35.25, -10.65
CIELCh	77, 36.825, 196.818
Yxy	52.3660, 0.2375, 0.3288
Android (android.graphics.Color)	4283355858 (0xFF4ED2D2)
YUV	170.5320, 19.4577, -81.1506
Hunter-Lab	72.3644, -33.3444, -5.9497

Details

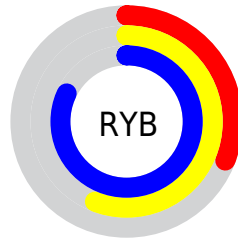
The XYZ color **37.8213, 52.3660, 69.0870** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **30.6796, 19.7021, 9.3953**, and the grayscale version is **38.4097, 40.4100, 44.0065**.

A 20% lighter version of the original color is **64.9653, 84.4908, 107.4921**, and **17.7221, 25.8430, 35.5066** is the 20% darker color. If you saturate the color by 10%, you get **36.3681, 51.6180, 69.0200**, and if you desaturate by 10%, it is **39.8268, 53.4011, 69.1822**.

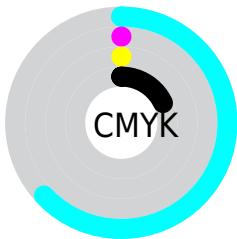
Distribution



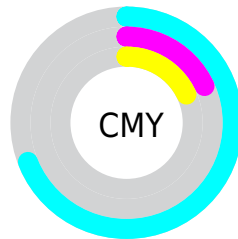
- Red (31%)
- Green (82%)
- Blue (82%)



- Red (31%)
- Yellow (56%)
- Blue (82%)



- Cyan (63%)
- Magenta (0%)
- Yellow (0%)
- Black (18%)



- Cyan (69%)
- Magenta (18%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.8213, 52.3660, 69.0870 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 37.8213, 52.3660, 69.0870 by changing the saturation by 10% instead.

37.8213, 52.3660,
69.0870

37.8213, 52.3660,
69.0870

328.1469,
395.8479, 476.0400

26.0206, 37.2969,
50.3104

71.1398, 93.6708,
119.5747

16.9718, 25.4374,
35.2872

93.3884, 120.6753,
152.1229

10.3096, 16.4033,
23.5988

119.8502,
152.4270, 190.0986

5.6685, 9.8100,
14.8269

150.8908,
189.3103, 233.9205

2.6833, 5.2731,
8.5527

186.8754,
231.7097, 284.0070

0.9886, 2.4084,
4.3578

228.1693,

0.0000, 0.8302,

280.0095, 340.7767

1.8236

275.1381,
334.5941, 404.6482

■ 0.0000, 0.0000,
0.4435

■ 0.0000, 0.0000,
0.0000

■ 37.8213, 52.3660,
69.0870

■ 37.8213, 52.3660,
69.0870

■ 36.3681, 51.6180,
69.0200

■ 39.8268, 53.4011,
69.1822

■ 35.4081, 51.1231,
68.9749

■ 42.4273, 54.7416,
69.3041

■ 34.8774, 50.8496,
68.9498

■ 45.6664, 56.4114,
69.4559

■ 34.6803, 50.7479,
68.9405

■ 49.5825, 58.4303,
69.6393

■ 54.2111, 60.8164,
69.8561

■ 59.5849, 63.5867,
70.1078

■ 65.7349, 66.7571,
70.3958

■ 72.6901, 70.3427,
70.7215

■ 75.9207, 72.0081,
70.8729

Harmonies

Analogous

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



37.6350, 52.3660, 48.5633



37.8213, 52.3660, 69.0870



41.0074, 52.3660, 90.5196

Triad

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



37.8213, 52.3660, 69.0870



60.3986, 52.3660, 88.1543



52.9489, 52.3660, 26.8074

Complementary

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



37.8213, 52.3660, 69.0870



30.6796, 19.7021, 9.3953

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.



59.7048, 52.3660, 33.0078



37.8213, 52.3660, 69.0870



64.2733, 52.3660, 66.4004

Square

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



37.8213, 52.3660, 69.0870



53.8252, 52.3660, 103.1953



64.0079, 52.3660, 46.4428



45.9282, 52.3660, 27.1973

Rectangle

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



37.8213, 52.3660, 69.0870



44.5924, 52.3660, 101.0077



64.0079, 52.3660, 46.4428



55.3386, 52.3660, 28.1130

Sweetspot

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



37.8229, 52.3680, 69.0882



79.4165, 91.9406, 108.1678



27.7485, 48.3594, 15.0808



16.5734, 19.4600, 23.1325



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.



37.8229, 52.3680, 69.0882



55.9077, 79.8215, 107.0660



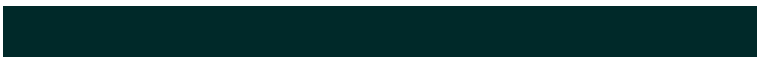
25.0862, 26.8943, 64.8438



12.1584, 13.4071, 15.1906



21.1537, 30.9544, 42.0512



1.1828, 1.7308, 2.3513

Inverse Universe

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



30.6796, 19.7021, 9.3953



43.9777, 25.2660, 7.3726



37.5987, 33.5403, 11.7013



11.8088, 11.8083, 12.2689



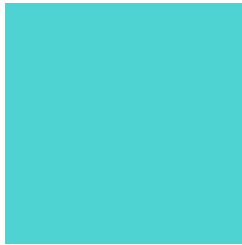
16.2124, 8.3578, 0.7588



0.9065, 0.4673, 0.0424

Previews

White Background



This preview shows how the XYZ color 37.8213, 52.3660, 69.0870 looks on a white background.

Color Contrast Check

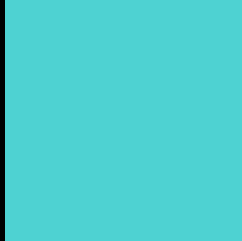
Large Text (above 18pt) WCAG AA × Fail

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 37.8213, 52.3660, 69.0870 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

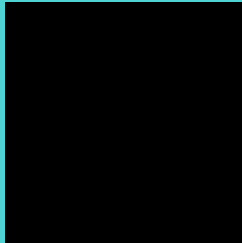
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

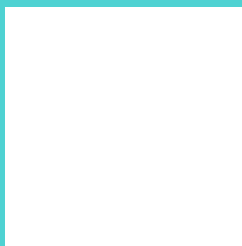
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.8213, 52.3660, 69.0870

Background



This preview shows how black text looks on a background with the XYZ color 37.8213, 52.3660, 69.0870.

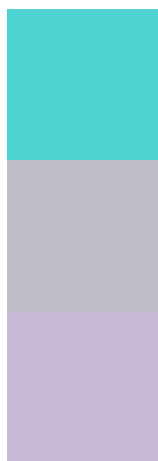


This preview shows how white text looks on a background with the XYZ color 37.8213, 52.3660,

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

37.8213, 52.3660, 69.0870

Protanopia

49.7615, 51.5028, 60.1416

Deuteranopia

52.6407, 51.4745, 71.4511



Tritanopia

39.8928, 52.4793, 79.2611

Trichromacy



Original Color

37.8213, 52.3660, 69.0870



Protanomaly

43.2046, 50.6808, 63.3824



Deuteranomaly

44.6285, 50.2577, 70.2993



Tritanomaly

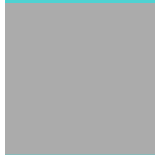
39.1984, 52.5621, 75.7897

Monochromacy



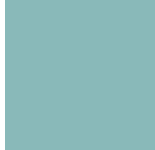
Original Color

37.8213, 52.3660, 69.0870



Achromatopsia

38.7082, 40.7240, 44.3485



Achromatomaly

36.4224, 43.5191, 52.3793

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8213, 52.3660, 69.0870 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(78, 210, 210)` looks like.

```
.text, #text, p{  
    color:rgb(78, 210, 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(78, 210, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 210, 210) }
```

Border

The CSS property to change the border of an element to XYZ 37.8213, 52.3660, 69.0870 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(78, 210, 210) }
```


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

```
.border{ border-color:rgb(78, 210, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 210, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 210, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 210, 210);  
box-shadow:4px 4px 4px 4px rgb(78, 210,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8213, 52.3660, 69.0870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 210, 210) }
```

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

```
.background{ background-color: rgb(78, 210,  
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](#).

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