

Converting Colors

XYZ(37.1496, 49.3091, 78.0827)

Have a look what the booklet for
XYZ(37.1496, 49.3091, 78.0827)
contains.

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Color

**XYZ(37.1252, 49.2870,
78.0776)**

Conversions

Conversions Part 1

Format	Color
Hex	43CBE0
RGB	67, 203, 224
RGB Percent	26%, 80%, 88%
CMY	0.7372, 0.2039, 0.1216
CMYK	0.70, 0.09, 0.00, 0.12
HSL	188°, 72%, 57%
HSV	188°, 70%, 88%
XYZ	37.1252, 49.2870, 78.0776
YIQ	164.7300, -87.7970, -22.3010

Conversions

Conversions Part 2

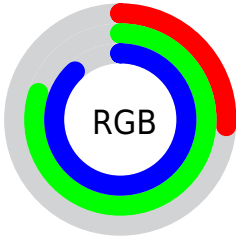
Format	Color
RYB	67, 140, 224
Decimal	4443104
CIELab	75.63, -29.46, -21.03
CIElCh	76, 36.198, 215.522
Yxy	49.2870, 0.2257, 0.2996
Android (android.graphics.Color)	4282633184 (0xFF43CBE0)
YUV	164.7300, 29.2201, -85.7092
Hunter-Lab	70.2047, -28.4650, -16.7956

Details

The XYZ color **37.1252, 49.2870, 78.0776** 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 **35.2446, 23.2336, 7.9386**, and the grayscale version is **35.5315, 37.3819, 40.7089**.

A 20% lighter version of the original color is **63.8017, 83.8909, 107.4376**, and **17.7513, 24.0444, 41.2416** is the 20% darker color. If you saturate the color by 10%, you get **35.1757, 47.2427, 77.7867**, and if you desaturate by 10%, it is **39.6851, 51.6683, 78.4032**.

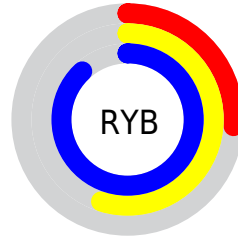
Distribution



Red (26%)

Green (80%)

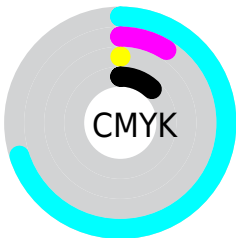
Blue (88%)



Red (26%)

Yellow (55%)

Blue (88%)

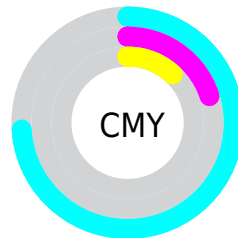


Cyan (70%)

Magenta (9%)

Yellow (0%)

Black (12%)



Cyan (74%)

Magenta (20%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.1252, 49.2870, 78.0776 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 37.1252, 49.2870, 78.0776 by changing the saturation by 10% instead.

37.1252, 49.2870,
78.0776

37.1252, 49.2870,
78.0776

325.1984,
383.8711, 507.9652

25.4786, 34.8472,
57.6209

70.0779, 89.1176,
132.4464

16.5646, 23.5452,
41.0913

92.1146, 115.2771,
167.1955

10.0179, 14.9966,
28.0702

118.3455,
146.1120, 207.5459

5.4732, 8.8170,
18.1391

149.1358,
182.0067, 253.9161

2.5651, 4.6220,
10.8794

184.8508,
223.3456, 306.7245

0.9282, 2.0272,
5.8726

225.8561,

0.0000, 0.6232,

270.5130, 366.3899

2.7003

272.5168,
323.8934, 433.3306

■ 0.0000, 0.0000,
0.9436

■ 0.0000, 0.0000,
0.0000

■ 37.1252, 49.2870,
78.0776

■ 37.1252, 49.2870,
78.0776

■ 35.1757, 47.2427,
77.7867

■ 39.6851, 51.6683,
78.4032

■ 33.7589, 45.4923,
77.5235

■ 42.9119, 54.4128,
78.7629

■ 32.7555, 43.9834,
77.2851

■ 46.8611, 57.5501,
79.1603

■ 51.5806, 61.1053,
79.5978

■ 57.1146, 65.1011,
80.0774

■ 63.5037, 69.5585,
80.6010

■ 70.7856, 74.4972,
81.1705

■ 78.9961, 79.9356,
81.7875

■ 82.9826, 83.2177,
82.2108

Harmonies

Analogous

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



35.1593, 49.2870, 57.2937



37.1252, 49.2870, 78.0776



41.7091, 49.2870, 94.7254

Triad

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



37.1252, 49.2870, 78.0776



59.5734, 49.2870, 70.4464



45.6173, 49.2870, 24.6854

Complementary

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



37.1252, 49.2870, 78.0776



35.2446, 23.2336, 7.9386

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.



52.3879, 49.2870, 26.6068



37.1252, 49.2870, 78.0776



60.8714, 49.2870, 50.1931

Square

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



37.1252, 49.2870, 78.0776



54.7350, 49.2870, 89.6349



58.1304, 49.2870, 34.9592



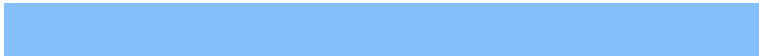
39.7536, 49.2870, 28.8930

Rectangle

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



37.1252, 49.2870, 78.0776



45.8474, 49.2870, 99.4808



58.1304, 49.2870, 34.9592



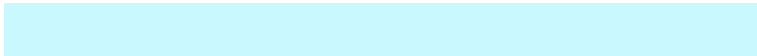
47.8587, 49.2870, 24.6505

Sweetspot

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



37.1268, 49.2888, 78.0788



75.7760, 86.7349, 107.3554



30.7304, 55.2092, 18.2567



15.7603, 18.2366, 22.9393



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.



37.1268, 49.2888, 78.0788



46.2481, 62.2705, 104.1896



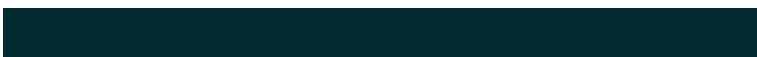
23.0498, 21.1349, 73.3865



13.9521, 15.2432, 17.5946



19.1274, 25.7244, 45.0055



1.3697, 1.8709, 3.1342

Inverse Universe

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



43.5284, 24.1749, 58.8738



55.8016, 28.3423, 74.7331



45.4702, 43.6847, 11.3472



14.2120, 13.9024, 16.8866



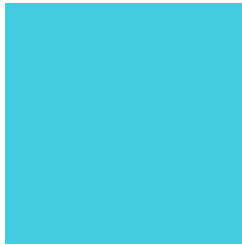
23.5948, 11.5049, 30.8618



1.6576, 0.8063, 2.2559

Previews

White Background



This preview shows how the XYZ color 37.1252, 49.2870, 78.0776 looks on a white background.

Color Contrast Check

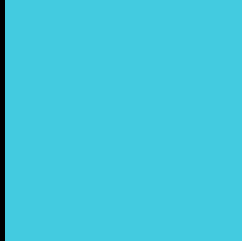
Large Text (above 18pt) WCAG AA × Fail

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 37.1252, 49.2870, 78.0776 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

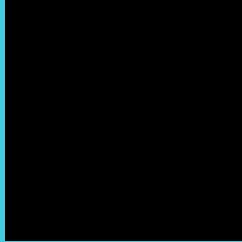
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.1252, 49.2870, 78.0776

Background



This preview shows how black text looks on a background with the XYZ color 37.1252, 49.2870, 78.0776.



This preview shows how white text looks on a background with the XYZ color 37.1252, 49.2870,

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

37.1252, 49.2870, 78.0776

Protanopia

47.5137, 48.2734, 68.4415

Deuteranopia

49.7228, 48.5286, 80.8750



Tritanopia

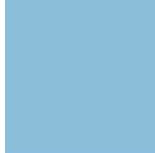
36.6911, 49.4769, 75.3263

Trichromacy



Original Color

37.1252, 49.2870, 78.0776



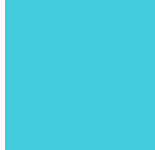
Protanomaly

41.4556, 47.2737, 71.9056



Deuteranomaly

42.8779, 47.5167, 79.5848



Tritanomaly

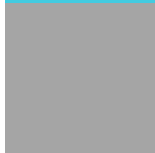
36.8908, 49.5644, 76.0292

Monochromacy



Original Color

37.1252, 49.2870, 78.0776



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

34.0363, 40.4525, 52.4686

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1252, 49.2870, 78.0776 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(67, 203, 224)` looks like.

```
.text, #text, p{  
    color:rgb(67, 203, 224)  
}
```

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(67, 203, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 203, 224) }
```

Border

The CSS property to change the border of an element to XYZ 37.1252, 49.2870, 78.0776 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(67, 203, 224) }
```


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

```
.border{ border-color:rgb(67, 203, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 203, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 203, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 203, 224);  
box-shadow:4px 4px 4px 4px rgb(67, 203,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 37.1252, 49.2870, 78.0776 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 203, 224) }
```

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

```
.background{ background-color: rgb(67, 203,  
224) }
```

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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