

Converting Colors

XYZ(37.6869, 49.7690, 65.5322)

Have a look what the booklet for
XYZ(37.6869, 49.7690, 65.5322)
contains.

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Color

**XYZ(37.7422, 49.8864,
65.3974)**

Conversions

Conversions Part 1

Format	Color
Hex	65CBCD
RGB	101, 203, 205
RGB Percent	40%, 80%, 80%
CMY	0.6039, 0.2039, 0.1961
CMYK	0.51, 0.01, 0.00, 0.20
HSL	181°, 51%, 60%
HSV	181°, 51%, 80%
XYZ	37.7422, 49.8864, 65.3974
YIQ	172.7300, -61.4340, -21.0020

Conversions

Conversions Part 2

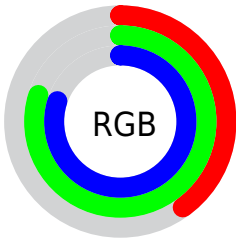
Format	Color
RYB	101, 152, 205
Decimal	6671309
CIELab	76.00, -29.04, -10.12
CIElCh	76, 30.756, 199.220
Yxy	49.8864, 0.2466, 0.3260
Android (android.graphics.Color)	4284861389 (0xFF65CBCD)
YUV	172.7300, 15.9091, -62.9072
Hunter-Lab	70.6303, -28.2193, -5.4561

Details

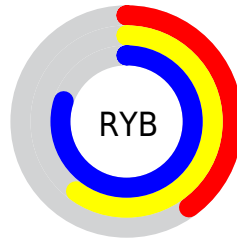
The XYZ color **37.7422, 49.8864, 65.3974** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **32.3769, 23.6200, 15.1657**, and the grayscale version is **39.5284, 41.5869, 45.2882**.

A 20% lighter version of the original color is **68.1081, 86.1109, 107.6391**, and **16.8690, 23.7715, 32.9774** is the 20% darker color. If you saturate the color by 10%, you get **35.6345, 48.6631, 65.2732**, and if you desaturate by 10%, it is **40.4256, 51.4091, 65.5508**.

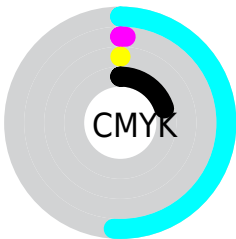
Distribution



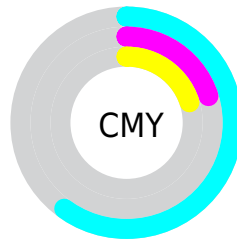
- Red (40%)
- Green (80%)
- Blue (80%)



- Red (40%)
- Yellow (60%)
- Blue (80%)



- Cyan (51%)
- Magenta (1%)
- Yellow (0%)
- Black (20%)



- Cyan (60%)
- Magenta (20%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.7422, 49.8864, 65.3974 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 37.7422, 49.8864, 65.3974 by changing the saturation by 10% instead.

37.7422, 49.8864,
65.3974

37.7422, 49.8864,
65.3974

327.8128,
386.2215, 462.5639

25.9590, 35.3231,
47.3300

71.0193, 90.0065,
114.2397

16.9255, 23.9119,
32.9404

93.2438, 116.3322,
145.8518

10.2763, 15.2683,
21.8100

119.6795,
147.3475, 182.8158

5.6462, 9.0079,
13.5204

150.6917,
183.4367, 225.5502

2.6698, 4.7463,
7.6529

186.6458,
224.9844, 274.4737

0.9816, 2.0992,
3.7891

227.9071,

0.0000, 0.6642,

272.3748, 330.0048

1.5104

274.8410,
325.9924, 392.5621

■ 0.0000, 0.0000,
0.2256

■ 0.0000, 0.0000,
0.0000

■ 37.7422, 49.8864,
65.3974

■ 37.7422, 49.8864,
65.3974

■ 35.6345, 48.6631,
65.2732

■ 40.4256, 51.4091,
65.5508

■ 34.0546, 47.7111,
65.1728


■ 43.7190, 53.2456,
65.7317


■ 32.9543, 47.0067,
65.0948


■ 47.6595, 55.4159,
65.9429


■ 32.2748, 46.5195,
65.0366


■ 52.2799, 57.9371,
66.1860


 31.9210, 46.2106,
64.9956

 57.6108, 60.8249,
66.4624

 63.6808, 64.0941,
66.7735

 70.5171, 67.7587,
67.1206

 74.3680, 69.8847,
67.3279

 74.4631, 70.0747,
67.3596

Harmonies

Analogous

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



37.3824, 49.8864, 48.6198



37.7422, 49.8864, 65.3974



40.5684, 49.8864, 81.9283

Triad

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



37.7422, 49.8864, 65.3974



56.2699, 49.8864, 77.6792



49.5091, 49.8864, 28.8157

Complementary

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



37.7422, 49.8864, 65.3974



32.3769, 23.6200, 15.1657

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.



54.9927, 49.8864, 33.7331



37.7422, 49.8864, 65.3974



59.1002, 49.8864, 60.4444

Square

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



37.7422, 49.8864, 65.3974



51.1410, 49.8864, 89.9492



58.6148, 49.8864, 44.5661



43.8756, 49.8864, 29.6116

Rectangle

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



37.7422, 49.8864, 65.3974



43.6081, 49.8864, 89.5380



58.6148, 49.8864, 44.5661



51.4384, 49.8864, 29.8084

Sweetspot

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



37.7437, 49.8883, 65.3986



82.1170, 92.9855, 108.2277



29.6340, 47.4043, 20.3511



17.2334, 19.7155, 23.1471



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.



37.7437, 49.8883, 65.3986



58.0590, 79.5263, 106.8978



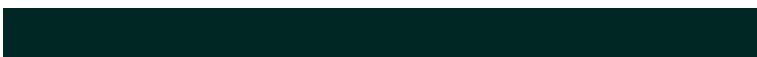
27.4970, 29.3949, 61.9830



11.5241, 12.6886, 14.4121



19.8802, 28.7845, 40.4644



1.0316, 1.4970, 2.0895

Inverse Universe

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



40.6112, 26.5995, 59.4959



63.3171, 37.2982, 95.9673



39.2039, 37.2740, 17.4414



11.6779, 11.3999, 14.1044



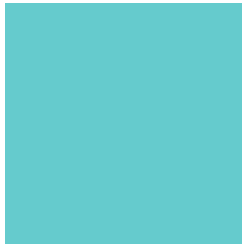
22.2455, 10.7088, 35.3412



1.1507, 0.5537, 1.8392

Previews

White Background



This preview shows how the XYZ color 37.7422, 49.8864, 65.3974 looks on a white background.

Color Contrast Check

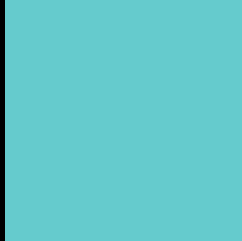
Large Text (above 18pt) WCAG AA × Fail

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 37.7422, 49.8864, 65.3974 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

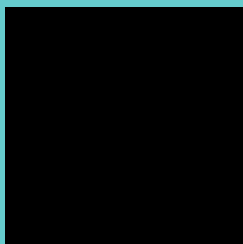
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

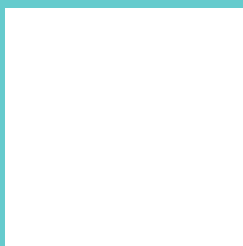
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.7422, 49.8864, 65.3974

Background



This preview shows how black text looks on a background with the XYZ color 37.7422, 49.8864, 65.3974.



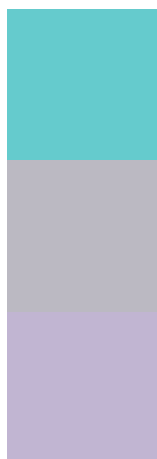
This preview shows how white text looks on a background with the XYZ color 37.7422, 49.8864,

65.3974.

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

37.7422, 49.8864, 65.3974

Protanopia

47.5801, 49.1578, 58.0196

Deuteranopia

50.1491, 49.0383, 67.7950



Tritanopia

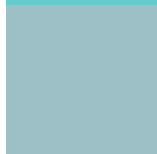
39.2367, 49.7863, 73.1874

Trichromacy



Original Color

37.7422, 49.8864, 65.3974



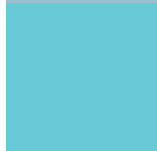
Protanomaly

42.7530, 48.8444, 60.6007



Deuteranomaly

44.0800, 48.4228, 66.6978



Tritanomaly

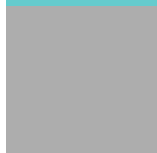
38.8397, 49.9882, 70.5524

Monochromacy



Original Color

37.7422, 49.8864, 65.3974



Achromatopsia

39.7200, 41.7885, 45.5077



Achromatomaly

37.9301, 43.9868, 52.3901

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7422, 49.8864, 65.3974 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(101, 203, 205)` looks like.

```
.text, #text, p{  
    color:rgb(101, 203, 205)  
}
```

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(101, 203, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 203, 205) }
```

Border

The CSS property to change the border of an element to XYZ 37.7422, 49.8864, 65.3974 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(101, 203, 205) }
```


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

```
.border{ border-color:rgb(101, 203, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 203, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(101, 203, 205); -webkit-box-shadow:4px 4px 4px 4px rgb(101, 203, 205); box-shadow:4px 4px 4px 4px rgb(101, 203, 205) }
```

Background

The CSS property to change the background color of an element to XYZ 37.7422, 49.8864, 65.3974 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 203, 205) }
```

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

```
.background{ background-color: rgb(101,  
203, 205) }
```

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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