

Converting Colors

XYZ(37.9835, 49.7451, 77.4119)

Have a look what the booklet for
XYZ(37.9835, 49.7451, 77.4119)
contains.

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Color

**XYZ(37.9835, 49.7451,
77.4119)**

Conversions

Conversions Part 1

Format	Color
Hex	50CBDF
RGB	80, 203, 223
RGB Percent	31%, 80%, 87%
CMY	0.6862, 0.2039, 0.1255
CMYK	0.64, 0.09, 0.00, 0.13
HSL	188°, 69%, 59%
HSV	188°, 64%, 87%
XYZ	37.9835, 49.7451, 77.4119
YIQ	168.5030, -79.7280, -19.8560

Conversions

Conversions Part 2

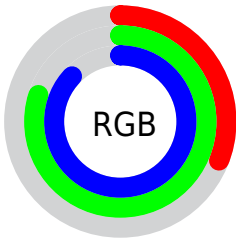
Format	Color
RYB	80, 146, 223
Decimal	5295071
CIELab	75.91, -27.89, -20.03
CIELCh	76, 34.336, 215.694
Yxy	49.7451, 0.2300, 0.3012
Android (android.graphics.Color)	4283485151 (0xFF50CBDF)
YUV	168.5030, 26.8670, -77.6171
Hunter-Lab	70.5302, -27.2981, -15.7038

Details

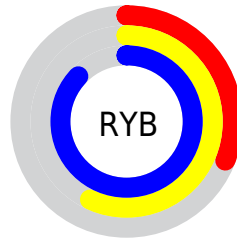
The XYZ color **37.9835, 49.7451, 77.4119** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **36.4379, 25.3830, 10.5699**, and the grayscale version is **37.3685, 39.3146, 42.8136**.

A 20% lighter version of the original color is **65.3116, 84.6693, 107.5083**, and **17.8153, 24.3220, 40.8014** is the 20% darker color. If you saturate the color by 10%, you get **35.6749, 47.4736, 77.0961**, and if you desaturate by 10%, it is **40.9346, 52.3719, 77.7643**.

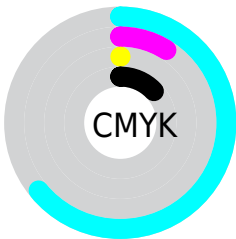
Distribution



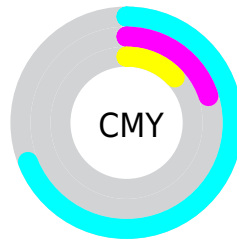
- Red (31%)
- Green (80%)
- Blue (87%)



- Red (31%)
- Yellow (57%)
- Blue (87%)



- Cyan (64%)
- Magenta (9%)
- Yellow (0%)
- Black (13%)



- Cyan (69%)
- Magenta (20%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.9835, 49.7451, 77.4119 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 37.9835, 49.7451, 77.4119 by changing the saturation by 10% instead.

37.9835, 49.7451,
77.4119

37.9835, 49.7451,
77.4119

328.8313,
385.6683, 505.6422

26.1470, 35.2109,
57.0774

71.3869, 89.7971,
131.4991

17.0669, 23.8254,
40.6576

93.6846, 116.0837,
166.0888

10.3778, 15.2041,
27.7340

120.2000,
147.0565, 206.2675

5.7144, 8.9628,
17.8879

151.2986,
183.1000, 252.4535

2.7112, 4.7169,
10.7009

187.3456,
224.5985, 305.0654

1.0029, 2.0821,
5.7545

228.7065,

0.0000, 0.6546,

271.9365, 364.5218

2.6300

275.7466,
325.4983, 431.2412

■ 0.0000, 0.0000,
0.9079

■ 0.0000, 0.0000,
0.0000

■ 37.9835, 49.7451,
77.4119

■ 37.9835, 49.7451,
77.4119

■ 35.6749, 47.4736,
77.0961

■ 40.9346, 52.3719,
77.7643

■ 33.9396, 45.5184,
76.8101

■ 44.5794, 55.3774,
78.1523

■ 32.7003, 43.8407,
76.5516

■ 48.9691, 58.7892,
78.5795

■ 32.1282, 42.9453,
76.4089

■ 54.1488, 62.6306,
79.0480

60.1599, 66.9232,
79.5597

67.0410, 71.6868,
80.1165

74.8282, 76.9403,
80.7201

82.2900, 82.0489,
81.3129

83.1555, 83.7799,
81.6014

Harmonies

Analogous

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



36.0732, 49.7451, 57.7325



37.9835, 49.7451, 77.4119



42.3995, 49.7451, 93.0032

Triad

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



37.9835, 49.7451, 77.4119



59.3931, 49.7451, 69.9866



46.0720, 49.7451, 26.1409

Complementary

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



37.9835, 49.7451, 77.4119



36.4379, 25.3830, 10.5699

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.



52.5240, 49.7451, 27.9965



37.9835, 49.7451, 77.4119



60.5992, 49.7451, 50.7456

Square

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



37.9835, 49.7451, 77.4119



54.8226, 49.7451, 88.0840



57.9844, 49.7451, 36.1096



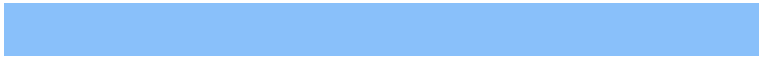
40.4652, 49.7451, 30.3070

Rectangle

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



37.9835, 49.7451, 77.4119



46.3641, 49.7451, 97.4033



57.9844, 49.7451, 36.1096



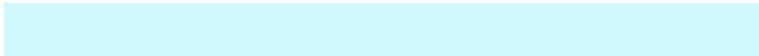
48.2103, 49.7451, 26.0952

Sweetspot

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



37.9851, 49.7469, 77.4131



77.2929, 87.6933, 107.4605



31.9526, 55.3842, 20.8290



16.0519, 18.4169, 22.9587



0.0000, 0.0000, 0.0000



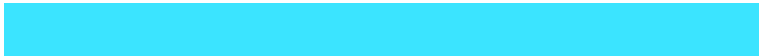
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



37.9851, 49.7469, 77.4131



47.4499, 63.3730, 104.3391



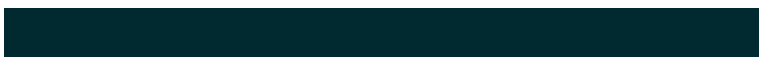
24.9393, 23.6554, 73.0645



13.9446, 15.2283, 17.5921



18.9534, 25.3763, 44.9475



1.3593, 1.8500, 3.1307

Inverse Universe

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



44.0809, 25.7386, 59.1466



56.7258, 29.9280, 75.8510



46.3620, 45.2313, 13.8779



14.2083, 13.9009, 16.8669



23.5070, 11.4698, 30.3992



1.6524, 0.8042, 2.2282

Previews

White Background



This preview shows how the XYZ color 37.9835, 49.7451, 77.4119 looks on a white background.

Color Contrast Check

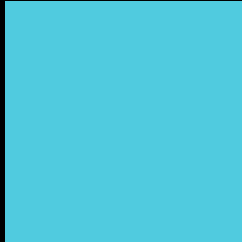
Large Text (above 18pt) WCAG AA × Fail

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 37.9835, 49.7451, 77.4119 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 37.9835, 49.7451, 77.4119

Background



This preview shows how black text looks on a background with the XYZ color 37.9835, 49.7451, 77.4119.



This preview shows how white text looks on a background with the XYZ color 37.9835, 49.7451,

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

37.9835, 49.7451, 77.4119

Protanopia

48.1898, 48.9292, 68.5324

Deuteranopia

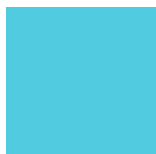
50.2600, 49.1246, 80.2318



Tritanopia

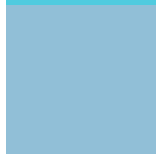
37.4161, 49.4989, 75.2924

Trichromacy



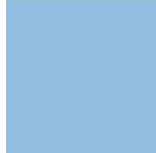
Original Color

37.9835, 49.7451, 77.4119



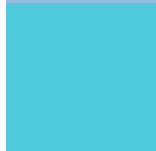
Protanomaly

42.5736, 48.1876, 71.3473



Deuteranomaly

43.9950, 48.4289, 78.9804



Tritanomaly

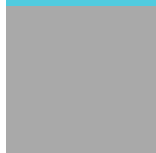
37.6315, 49.5946, 75.9959

Monochromacy



Original Color

37.9835, 49.7451, 77.4119



Achromatopsia

37.7116, 39.6755, 43.2066



Achromatomaly

36.0257, 42.0402, 54.3599

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.9835, 49.7451, 77.4119 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(80, 203, 223)` looks like.

```
.text, #text, p{  
    color:rgb(80, 203, 223)  
}
```

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(80, 203, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 203, 223) }
```

Border

The CSS property to change the border of an element to XYZ 37.9835, 49.7451, 77.4119 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(80, 203, 223) }
```


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

```
.border{ border-color:rgb(80, 203, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 203, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 203, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 203, 223);  
box-shadow:4px 4px 4px 4px rgb(80, 203,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 37.9835, 49.7451, 77.4119 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 203, 223) }
```

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

```
.background{ background-color: rgb(80, 203,  
223) }
```

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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