

Converting Colors

XYZ(37.0650, 49.9551, 48.7037)

Have a look what the booklet for
XYZ(37.0650, 49.9551, 48.7037)
contains.

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Color

**XYZ(37.0776, 49.9114,
48.7540)**

Conversions

Conversions Part 1

Format	Color
Hex	79CBB0
RGB	121, 203, 176
RGB Percent	47%, 80%, 69%
CMY	0.5255, 0.2039, 0.3098
CMYK	0.40, 0.00, 0.13, 0.20
HSL	160°, 44%, 64%
HSV	160°, 40%, 80%
XYZ	37.0776, 49.9114, 48.7540
YIQ	175.4040, -40.2050, -25.7810

Conversions

Conversions Part 2

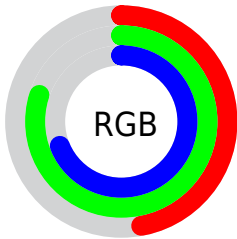
Format	Color
RYB	121, 170, 203
Decimal	7982000
CIELab	76.01, -31.28, 5.64
CIElCh	76, 31.782, 169.781
Yxy	49.9114, 0.2731, 0.3677
Android (android.graphics.Color)	4286172080 (0xFF79CBB0)
YUV	175.4040, 0.2938, -47.7123
Hunter-Lab	70.6480, -29.9533, 8.5377

Details

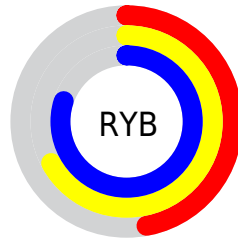
The XYZ color **37.0776, 49.9114, 48.7540** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **36.8130, 28.5107, 31.5818**, and the grayscale version is **40.9715, 43.1052, 46.9416**.

A 20% lighter version of the original color is **68.4570, 86.6933, 89.4694**, and **16.4748, 23.7933, 22.7930** is the 20% darker color. If you saturate the color by 10%, you get **33.8816, 48.3397, 45.2371**, and if you desaturate by 10%, it is **40.9076, 51.8088, 52.4728**.

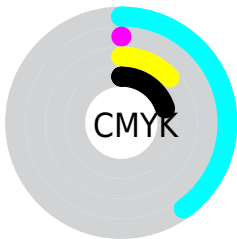
Distribution



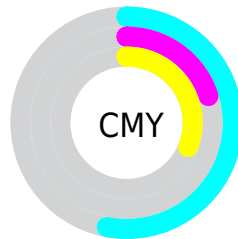
- Red (47%)
- Green (80%)
- Blue (69%)



- Red (47%)
- Yellow (67%)
- Blue (80%)



- Cyan (40%)
- Magenta (0%)
- Yellow (13%)
- Black (20%)



- Cyan (53%)
- Magenta (20%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.0776, 49.9114, 48.7540 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 37.0776, 49.9114, 48.7540 by changing the saturation by 10% instead.

■ 37.0776, 49.9114,
48.7540

■ 37.0776, 49.9114,
48.7540

324.9961,
386.3194, 398.3677

■ 25.4415, 35.3430,
34.0602

■ 70.0052, 90.0436,
89.7032

■ 16.5368, 23.9272,
22.6621

■ 92.0274, 116.3762,
116.7956

■ 9.9980, 15.2796,
14.1412

■ 118.2424,
147.3989, 148.8579

■ 5.4599, 9.0159,
8.0791

149.0155,
183.4963, 186.3088

■ 2.5571, 4.7515,
4.0571

184.7120,
225.0526, 229.5666

■ 0.9241, 2.1022,
1.6567

225.6974,

■ 0.0000, 0.6659,

272.4523, 279.0500

0.3308

272.3370,
326.0798, 335.1775

■ 0.0000, 0.0000,
0.0000

■ 37.0776, 49.9114,
48.7540

■ 37.0776, 49.9114,
48.7540

■ 33.8816, 48.3397,
45.2371

■ 40.9076, 51.8088,
52.4728

■ 31.2771, 47.0678,
41.9144

■ 45.4023, 54.0438,
56.3941

■ 29.2227, 46.0760,
38.7826


■ 50.5957, 56.6351,
60.5228

■ 27.6700, 45.3391,
35.8369


■ 56.5178, 59.5981,
64.8627


■ 26.5613, 44.8276,
33.0720


■ 63.1972, 62.9476,
69.4172

 25.8119, 44.4956,
30.5791

 70.6606, 66.6972,
74.1898

 75.8884, 69.2902,
79.0415

 76.8067, 69.6576,
83.8772

 77.7610, 70.0393,
88.9023

Harmonies

Analogous

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



39.2530, 49.9114, 35.8656



37.0776, 49.9114, 48.7540



37.4967, 49.9114, 66.1648

Triad

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



37.0776, 49.9114, 48.7540



51.4045, 49.9114, 91.2371



55.1909, 49.9114, 33.0259

Complementary

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



37.0776, 49.9114, 48.7540



36.8130, 28.5107, 31.5818

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.



59.0004, 49.9114, 44.0240



37.0776, 49.9114, 48.7540



56.6912, 49.9114, 78.2807

Square

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



37.0776, 49.9114, 48.7540



45.4446, 49.9114, 93.2421



59.5712, 49.9114, 60.3480



49.4915, 49.9114, 28.1224

Rectangle

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



37.0776, 49.9114, 48.7540



39.2037, 49.9114, 78.0370



59.5712, 49.9114, 60.3480



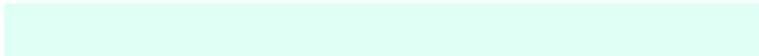
56.7544, 49.9114, 36.0109

Sweetspot

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



37.0790, 49.9134, 48.7551



83.0944, 94.0192, 100.0932



37.0819, 50.4215, 25.8680



17.5305, 19.9966, 21.2256



0.0000, 0.0000, 0.0000



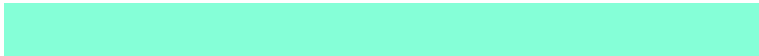
20.3446, 21.4041, 23.3091

Same Dimension

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



37.0790, 49.9134, 48.7551



57.5964, 81.3647, 76.7540



36.9356, 44.9174, 63.2254



11.3801, 12.6618, 13.5588



16.4694, 28.3331, 19.6889



0.8837, 1.4753, 1.1954

Inverse Universe

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



36.8130, 28.5107, 31.5818



57.1065, 40.9392, 44.3792



36.6989, 31.3135, 22.1999



11.3621, 11.2736, 12.4415



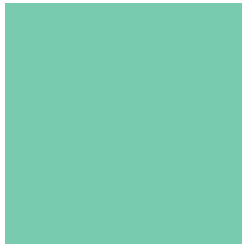
16.3531, 8.3518, 4.3120



0.8786, 0.4449, 0.4068

Previews

White Background



This preview shows how the XYZ color 37.0776, 49.9114, 48.7540 looks on a white background.

Color Contrast Check

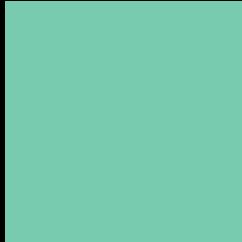
Large Text (above 18pt) WCAG AA × Fail

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 37.0776, 49.9114, 48.7540 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

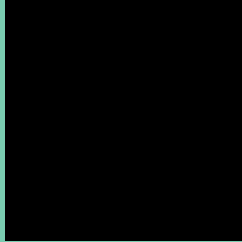
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.0776, 49.9114, 48.7540

Background



This preview shows how black text looks on a background with the XYZ color 37.0776, 49.9114, 48.7540.



This preview shows how white text looks on a background with the XYZ color 37.0776, 49.9114,

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

37.0776, 49.9114, 48.7540

Protanopia

46.7821, 49.3772, 43.6243

Deuteranopia

50.1153, 49.1005, 50.5520



Tritanopia

41.5376, 49.9890, 71.0779

Trichromacy



Original Color

37.0776, 49.9114, 48.7540



Protanomaly

42.0417, 48.8170, 45.2370



Deuteranomaly

43.7991, 48.3351, 49.6690



Tritanomaly

39.8320, 49.9907, 62.1934

Monochromacy



Original Color

37.0776, 49.9114, 48.7540



Achromatopsia

40.7470, 42.8690, 46.6844



Achromatomaly

38.6044, 44.7616, 47.1626

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.0776, 49.9114, 48.7540 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(121, 203, 176)` looks like.

```
.text, #text, p{  
    color:rgb(121, 203, 176)  
}
```

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(121, 203, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 203, 176) }
```

Border

The CSS property to change the border of an element to XYZ 37.0776, 49.9114, 48.7540 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(121, 203, 176) }
```


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

```
.border{ border-color:rgb(121, 203, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 203, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(121, 203, 176); -webkit-box-shadow:4px 4px 4px 4px rgb(121, 203, 176); box-shadow:4px 4px 4px 4px rgb(121, 203, 176) }
```

Background

The CSS property to change the background color of an element to XYZ 37.0776, 49.9114, 48.7540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 203, 176) }
```

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

```
.background{ background-color: rgb(121,  
203, 176) }
```

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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