

Converting Colors

XYZ(36.7742, 49.2504, 48.9466)

Have a look what the booklet for
XYZ(36.7742, 49.2504, 48.9466)
contains.

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Color

**XYZ(36.9415, 49.4803,
49.1986)**

Conversions

Conversions Part 1

Format	Color
Hex	79CAB1
RGB	121, 202, 177
RGB Percent	47%, 79%, 69%
CMY	0.5255, 0.2078, 0.3059
CMYK	0.40, 0.00, 0.12, 0.21
HSL	161°, 43%, 63%
HSV	161°, 40%, 79%
XYZ	36.9415, 49.4803, 49.1986
YIQ	174.9310, -40.2510, -24.9470

Conversions

Conversions Part 2

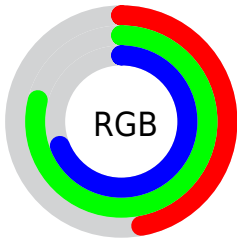
Format	Color
RYB	121, 169, 202
Decimal	7981745
CIELab	75.75, -30.58, 4.72
CIELCh	76, 30.942, 171.232
Yxy	49.4803, 0.2724, 0.3648
Android (android.graphics.Color)	4286171825 (0xFF79CAB1)
YUV	174.9310, 1.0200, -47.2975
Hunter-Lab	70.3422, -29.3564, 7.7711

Details

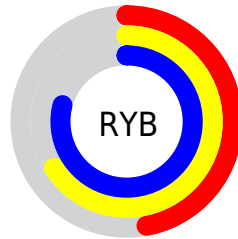
The XYZ color **36.9415, 49.4803, 49.1986** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **36.3845, 28.3079, 30.7424**, and the grayscale version is **40.7228, 42.8435, 46.6566**.

A 20% lighter version of the original color is **68.5994, 86.7503, 90.2197**, and **16.3186, 23.4809, 22.7410** is the 20% darker color. If you saturate the color by 10%, you get **33.7945, 47.9294, 45.8816**, and if you desaturate by 10%, it is **40.7124, 51.3521, 52.6952**.

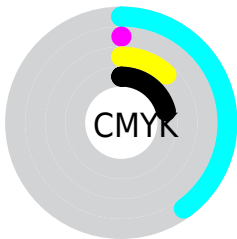
Distribution



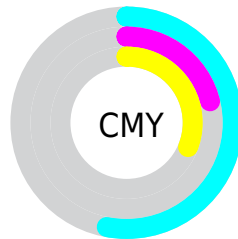
- Red (47%)
- Green (79%)
- Blue (69%)



- Red (47%)
- Yellow (66%)
- Blue (79%)



- Cyan (40%)
- Magenta (0%)
- Yellow (12%)
- Black (21%)





- Cyan (53%)
- Magenta (21%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.9415, 49.4803, 49.1986 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 36.9415, 49.4803, 49.1986 by changing the saturation by 10% instead.


 36.9415, 49.4803,
49.1986


 36.9415, 49.4803,
49.1986


324.4171,
384.6301, 400.1686

 25.3357, 35.0006,
34.4103


 69.7972, 89.4044,
90.3704

 16.4574, 23.6634,
22.9291


 91.7778, 115.6176,
117.5910

 9.9413, 15.0841,
14.3364


 117.9474,
146.5108, 149.7928

 5.4220, 8.8784,
8.2136

148.6713,
182.4683, 187.3943

 2.5342, 4.6620,
4.1422

184.3148,
223.8747, 230.8141

 0.9125, 2.0503,
1.7037

225.2434,

 0.0000, 0.6365,

271.1141, 280.4707

0.3632

271.8224,
324.5711, 336.7827

■ 0.0000, 0.0000,
0.0000

■ 36.9415, 49.4803,
49.1986

■ 36.9415, 49.4803,
49.1986

■ 33.7945, 47.9294,
45.8816

■ 40.7124, 51.3521,
52.6952

■ 31.2296, 46.6741,
42.7371

■ 45.1374, 53.5565,
56.3715

■ 29.2063, 45.6948,
39.7622


■ 50.2498, 56.1119,
60.2321


■ 27.6768, 44.9669,
36.9528


■ 56.0793, 59.0335,
64.2801


■ 26.5847, 44.4614,
34.3039


■ 62.6540, 62.3359,
68.5187

 25.8294, 44.1260,
31.8326

 70.0000, 66.0324,
72.9509

 75.3656, 68.7044,
77.4497

 76.2103, 69.0423,
81.8979

 77.0862, 69.3927,
86.5102

Harmonies

Analogous

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



38.9370, 49.4803, 36.4051



36.9415, 49.4803, 49.1986



37.4721, 49.4803, 66.1547

Triad

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



36.9415, 49.4803, 49.1986



51.1415, 49.4803, 89.0439



54.2860, 49.4803, 32.7943

Complementary

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



36.9415, 49.4803, 49.1986



36.3845, 28.3079, 30.7424

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.



58.0879, 49.4803, 43.2185



36.9415, 49.4803, 49.1986



56.1722, 49.4803, 76.1955

Square

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



36.9415, 49.4803, 49.1986



45.3668, 49.4803, 91.5503



58.8048, 49.4803, 58.8401



48.7325, 49.4803, 28.2814

Rectangle

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



36.9415, 49.4803, 49.1986



39.2066, 49.4803, 77.5149



58.8048, 49.4803, 58.8401



55.8294, 49.4803, 35.6092

Sweetspot

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



36.9429, 49.4823, 49.1997



83.1909, 94.0578, 100.6013



36.5432, 49.7943, 25.7753



17.5533, 20.0057, 21.3455



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.



36.9429, 49.4823, 49.1997



57.9228, 81.4952, 78.4728



36.3495, 43.9354, 62.4439



11.3901, 12.6658, 13.6116



16.6617, 28.4100, 20.7014



0.8926, 1.4788, 1.2419

Inverse Universe

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



36.3845, 28.3079, 30.7424



56.8646, 40.8424, 43.1055



36.5929, 31.5045, 22.2423



11.3525, 11.2698, 12.3911



16.2746, 8.3204, 3.8989



0.8738, 0.4429, 0.3811

Previews

White Background



This preview shows how the XYZ color 36.9415, 49.4803, 49.1986 looks on a white background.

Color Contrast Check

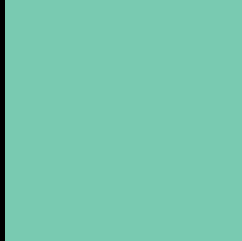
Large Text (above 18pt) WCAG AA × Fail

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 36.9415, 49.4803, 49.1986 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

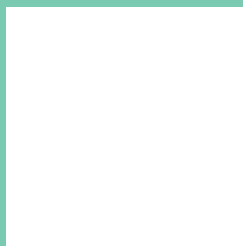
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.9415, 49.4803, 49.1986

Background



This preview shows how black text looks on a background with the XYZ color 36.9415, 49.4803, 49.1986.

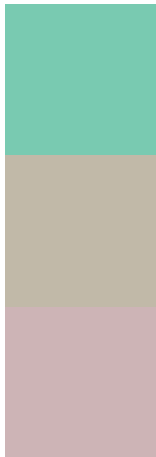


This preview shows how white text looks on a background with the XYZ color 36.9415, 49.4803,

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

36.9415, 49.4803, 49.1986

Protanopia

46.4092, 48.8625, 44.0312

Deuteranopia

49.9416, 48.9991, 51.0815



Tritanopia

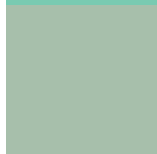
41.1824, 49.4824, 70.3313

Trichromacy



Original Color

36.9415, 49.4803, 49.1986



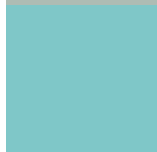
Protanomaly

41.9178, 48.4174, 45.6643



Deuteranomaly

43.6770, 48.2604, 50.1932



Tritanomaly

39.6011, 49.5290, 62.1164

Monochromacy



Original Color

36.9415, 49.4803, 49.1986



Achromatopsia

40.7470, 42.8690, 46.6844



Achromatomaly

38.7030, 44.8011, 47.6819

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.9415, 49.4803, 49.1986 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, 202, 177)` looks like.

```
.text, #text, p{  
    color:rgb(121, 202, 177)  
}
```

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, 202, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 202, 177) }
```

Border

The CSS property to change the border of an element to XYZ 36.9415, 49.4803, 49.1986 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, 202, 177) }
```


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

```
.border{ border-color:rgb(121, 202, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 202, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(121, 202, 177); -webkit-box-shadow:4px 4px 4px 4px rgb(121, 202, 177); box-shadow:4px 4px 4px 4px rgb(121, 202, 177) }
```

Background

The CSS property to change the background color of an element to XYZ 36.9415, 49.4803, 49.1986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 202, 177) }
```

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

```
.background{ background-color: rgb(121,  
202, 177) }
```

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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