

Converting Colors

XYZ(37.0577, 48.2562, 50.0824)

Have a look what the booklet for
XYZ(37.0577, 48.2562, 50.0824)
contains.

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Color

**XYZ(36.9350, 48.0785,
49.9812)**

Conversions

Conversions Part 1

Format	Color
Hex	7EC6B3
RGB	126, 198, 179
RGB Percent	49%, 78%, 70%
CMY	0.5059, 0.2235, 0.2980
CMYK	0.36, 0.00, 0.10, 0.22
HSL	164°, 39%, 64%
HSV	164°, 36%, 78%
XYZ	36.9350, 48.0785, 49.9812
YIQ	174.3060, -36.8130, -21.1730

Conversions

Conversions Part 2

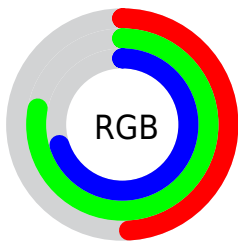
Format	Color
RYB	126, 167, 198
Decimal	8308403
CIELab	74.87, -26.83, 2.40
CIELCh	75, 26.938, 174.891
Yxy	48.0785, 0.2736, 0.3562
Android (android.graphics.Color)	4286498483 (0xFF7EC6B3)
YUV	174.3060, 2.3141, -42.3644
Hunter-Lab	69.3387, -26.2601, 5.7992

Details

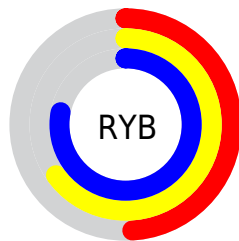
The XYZ color **36.9350, 48.0785, 49.9812** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **35.8621, 28.9732, 30.4923**, and the grayscale version is **40.3926, 42.4962, 46.2783**.

A 20% lighter version of the original color is **69.8115, 87.3419, 91.7765**, and **16.4868, 22.8693, 23.2839** is the 20% darker color. If you saturate the color by 10%, you get **33.7810, 46.5137, 47.1275**, and if you desaturate by 10%, it is **40.6896, 49.9531, 52.9697**.

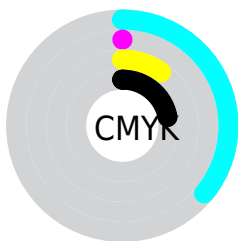
Distribution



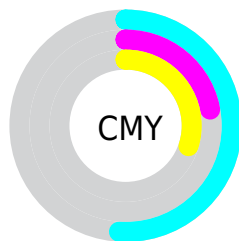
- Red (49%)
- Green (78%)
- Blue (70%)



- Red (49%)
- Yellow (65%)
- Blue (78%)



- Cyan (36%)
- Magenta (0%)
- Yellow (10%)
- Black (22%)



- Cyan (51%)
- Magenta (22%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.9350, 48.0785, 49.9812 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 36.9350, 48.0785, 49.9812 by changing the saturation by 10% instead.

36.9350, 48.0785,
49.9812

36.9350, 48.0785,
49.9812

324.3894,
379.1032, 403.3254

25.3306, 33.8891,
35.0274

69.7873, 87.3213,
91.5430

16.4536, 22.8084,
23.4002

91.7659, 113.1434,
118.9881

9.9386, 14.4521,
14.6813

117.9333,
143.6119, 151.4341

5.4202, 8.4358,
8.4519

148.6548,
179.1111, 189.2994

2.5331, 4.3750,
4.2935

184.2958,
220.0254, 233.0027

0.9120, 1.8855,
1.7877

225.2217,

0.0000, 0.5396,

266.7393, 282.9624

0.4198

271.7978,
319.6371, 339.5971

■ 0.0000, 0.0000,
0.0000

■ 36.9350, 48.0785,
49.9812

■ 36.9350, 48.0785,
49.9812

■ 33.7810, 46.5137,
47.1275

■ 40.6896, 49.9531,
52.9697

■ 31.1891, 45.2352,
44.4025

■ 45.0724, 52.1479,
56.0922

■ 29.1224, 44.2251,
41.8044

■ 50.1141, 54.6801,
59.3523

■ 27.5382, 43.4615,
39.3299

■ 55.8423, 57.5637,
62.7525

■ 26.3863, 42.9186,
36.9755

■ 62.2828, 60.8122,
66.2950

■ 25.6025, 42.5633,
34.7371

■ 69.4603, 64.4382,
69.9820

■ 25.3636, 42.4573,
33.9494

■ 73.7755, 66.5861,
73.6461

■ 74.4603, 66.8600,
77.2525

■ 75.1669, 67.1426,
80.9729

Harmonies

Analogous

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



38.4102, 48.0785, 38.3046



36.9350, 48.0785, 49.9812



37.6672, 48.0785, 64.5562

Triad

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



36.9350, 48.0785, 49.9812



49.7813, 48.0785, 80.8616



51.3370, 48.0785, 33.2216

Complementary

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



36.9350, 48.0785, 49.9812



35.8621, 28.9732, 30.4923

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.



54.7943, 48.0785, 41.7872



36.9350, 48.0785, 49.9812



53.8520, 48.0785, 69.4654

Square

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



36.9350, 48.0785, 49.9812



44.8626, 48.0785, 84.1123



55.7459, 48.0785, 54.7911



46.5420, 48.0785, 29.7977

Rectangle

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



36.9350, 48.0785, 49.9812



39.3378, 48.0785, 73.8118



55.7459, 48.0785, 54.7911



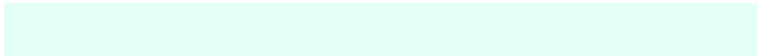
52.7074, 48.0785, 35.5116

Sweetspot

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



36.9364, 48.0804, 49.9823



84.3036, 94.5951, 102.2950



35.6739, 47.9345, 27.1117



17.7832, 20.1161, 21.7256



0.0000, 0.0000, 0.0000



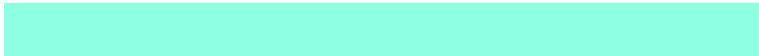
20.3446, 21.4041, 23.3091

Same Dimension

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



36.9364, 48.0804, 49.9823



60.6968, 82.7993, 84.2952



35.3634, 41.6438, 59.6026



10.8226, 12.0179, 13.0159



16.5307, 27.6247, 22.2711



0.8114, 1.3195, 1.2056

Inverse Universe

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



35.8621, 28.9732, 30.4923



58.5184, 43.8393, 44.6148



36.8487, 33.0985, 24.1861



10.7469, 10.6821, 11.6504



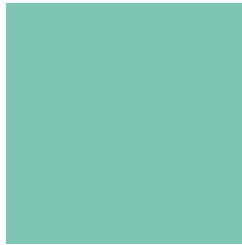
15.5826, 7.9826, 3.0119



0.7687, 0.3903, 0.3054

Previews

White Background



This preview shows how the XYZ color 36.9350, 48.0785, 49.9812 looks on a white background.

Color Contrast Check

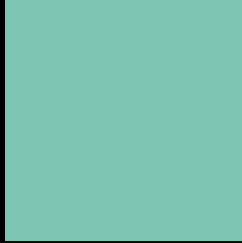
Large Text (above 18pt) WCAG AA × Fail

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 36.9350, 48.0785, 49.9812 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

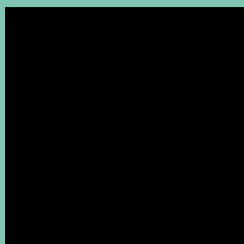
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

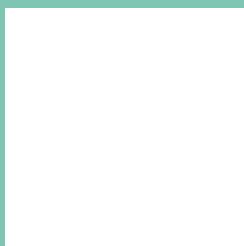
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.9350, 48.0785, 49.9812

Background



This preview shows how black text looks on a background with the XYZ color 36.9350, 48.0785, 49.9812.

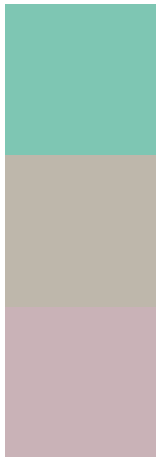


This preview shows how white text looks on a background with the XYZ color 36.9350, 48.0785,

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

36.9350, 48.0785, 49.9812

Protanopia

45.5194, 47.7544, 45.3465

Deuteranopia

48.5550, 47.6772, 51.4432



Tritanopia

40.4733, 48.1736, 67.4869

Trichromacy



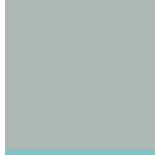
Original Color

36.9350, 48.0785, 49.9812



Protanomaly

41.5596, 47.2379, 46.9718



Deuteranomaly

43.2480, 47.0740, 51.0627



Tritanomaly

38.9141, 47.8533, 60.6117

Monochromacy



Original Color

36.9350, 48.0785, 49.9812



Achromatopsia

40.2316, 42.3268, 46.0938



Achromatomaly

38.6746, 44.1697, 47.5615

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.9350, 48.0785, 49.9812 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(126, 198, 179)` looks like.

```
.text, #text, p{  
    color:rgb(126, 198, 179)  
}
```

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(126, 198, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 198, 179) }
```

Border

The CSS property to change the border of an element to XYZ 36.9350, 48.0785, 49.9812 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(126, 198, 179) }
```


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

```
.border{ border-color:rgb(126, 198, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 198, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 198, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 198, 179);  
box-shadow:4px 4px 4px 4px rgb(126, 198,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 36.9350, 48.0785, 49.9812 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 198, 179) }
```

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

```
.background{ background-color: rgb(126,  
198, 179) }
```

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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