

Converting Colors

XYZ(24.4552, 37.7785, 34.6549)

Have a look what the booklet for
XYZ(24.4552, 37.7785, 34.6549)
contains.

XYZ(24.4849, 37.7407, 34.8484)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(24.4849, 37.7407,
34.8484)**

Conversions

Conversions Part 1

Format	Color
Hex	38B996
RGB	56, 185, 150
RGB Percent	22%, 73%, 59%
CMY	0.7804, 0.2745, 0.4118
CMYK	0.70, 0.00, 0.19, 0.27
HSL	164°, 54%, 47%
HSV	164°, 70%, 73%
XYZ	24.4849, 37.7407, 34.8484
YIQ	142.4390, -65.6490, -38.2330

Conversions

Conversions Part 2

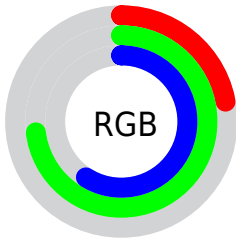
Format	Color
RYB	56, 131, 185
Decimal	3717526
CIELab	67.83, -43.19, 7.73
CIELCh	68, 43.874, 169.856
Yxy	37.7407, 0.2522, 0.3888
Android (android.graphics.Color)	4281907606 (0xFF38B996)
YUV	142.4390, 3.7276, -75.8070
Hunter-Lab	61.4335, -36.3657, 9.3709

Details

The XYZ color **24.4849, 37.7407, 34.8484** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **23.3114, 13.8990, 11.3532**, and the grayscale version is **25.8906, 27.2389, 29.6632**.

A 20% lighter version of the original color is **50.2590, 71.7858, 68.3339**, and **10.3684, 17.1335, 14.5650** is the 20% darker color. If you saturate the color by 10%, you get **23.2402, 37.1457, 32.7257**, and if you desaturate by 10%, it is **26.1309, 38.5425, 37.0820**.

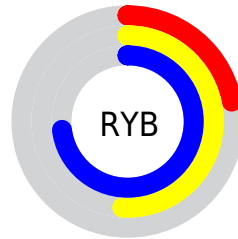
Distribution



Red (22%)

Green (73%)

Blue (59%)



Red (22%)

Yellow (51%)

Blue (73%)

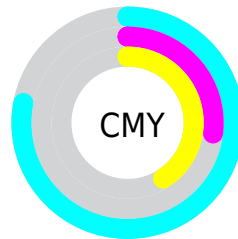


Cyan (70%)

Magenta (0%)

Yellow (19%)

Black (27%)



Cyan (78%)


Magenta (27%)


Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.4849, 37.7407, 34.8484 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 24.4849, 37.7407, 34.8484 by changing the saturation by 10% instead.


 24.4849, 37.7407,
34.8484


 24.4849, 37.7407,
34.8484


267.6581,
336.5063, 338.7826


 15.8204, 25.7815,
23.2635


 50.2693, 71.7105,
68.3998


 9.4872, 16.6603,
14.5811


 68.1198, 94.4899,
91.2033


 5.1199, 9.9926,
8.3826


 89.7632, 121.6449,
118.5835

 2.3533, 5.3940,
4.2494

 115.5645,
153.5597, 150.9588

 0.8217, 2.4803,
1.7632

 145.8894,
190.6189, 188.7478

 0.0000, 0.8667,
0.4035

181.1030,

 0.0000, 0.0000,

233.2068, 232.3691

0.0000

221.5708,
281.7078, 282.2412

■ 24.4849, 37.7407,
34.8484

■ 24.4849, 37.7407,
34.8484

■ 23.2402, 37.1457,
32.7257

■ 26.1309, 38.5425,
37.0820

■ 22.3491, 36.7300,
30.7080

■ 28.2132, 39.5662,
39.4266

■ 21.7250, 36.4501,
28.7910

■ 30.7661, 40.8305,
41.8859

■ 21.7091, 36.4430,
28.7400

■ 33.8199, 42.3509,
44.4623

■ 37.4020, 44.1416,
47.1581

■ 41.5380, 46.2157,
49.9755

■ 46.2516, 48.5854,
52.9166

■ 51.5653, 51.2624,
55.9836

■ 57.5003, 54.2574,
59.1783

Harmonies

Analogous

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



26.7811, 37.7407, 21.3802



24.4849, 37.7407, 34.8484



24.9315, 37.7407, 55.1598

Triad

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



24.4849, 37.7407, 34.8484



40.4953, 37.7407, 87.2969



44.9725, 37.7407, 18.6110

Complementary

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



24.4849, 37.7407, 34.8484



23.3114, 13.8990, 11.3532

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.



49.6185, 37.7407, 29.6478



24.4849, 37.7407, 34.8484



46.8160, 37.7407, 70.2498

Square

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



24.4849, 37.7407, 34.8484



33.6189, 37.7407, 90.0350



50.3327, 37.7407, 48.0428



38.2223, 37.7407, 14.1667

Rectangle

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



24.4849, 37.7407, 34.8484



26.7464, 37.7407, 70.0441



50.3327, 37.7407, 48.0428



46.8664, 37.7407, 21.4735

Sweetspot

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



24.4859, 37.7422, 34.8493



65.8815, 78.5023, 83.6618



22.5328, 37.2888, 9.7519



13.8130, 16.7285, 17.7486



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



24.4859, 37.7422, 34.8493



40.6483, 66.0681, 56.5463



22.4545, 28.4759, 50.2136



9.1599, 10.1679, 10.9992



14.8131, 24.8262, 19.7357



0.5467, 0.8850, 0.8245

Inverse Universe

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



23.3114, 13.8990, 11.3532



38.5129, 20.6717, 12.3125



23.8891, 16.9339, 5.7515



9.1020, 9.0512, 9.8848



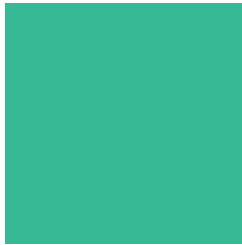
14.0450, 7.1918, 2.8578



0.5220, 0.2643, 0.2421

Previews

White Background



This preview shows how the XYZ color 24.4849, 37.7407, 34.8484 looks on a white background.

Color Contrast Check

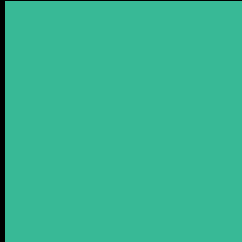
Large Text (above 18pt) WCAG AA × Fail

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 24.4849, 37.7407, 34.8484 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

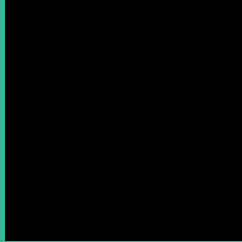
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 24.4849, 37.7407, 34.8484

Background



This preview shows how black text looks on a background with the XYZ color 24.4849, 37.7407, 34.8484.

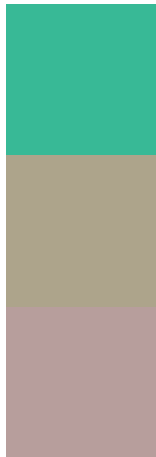


This preview shows how white text looks on a background with the XYZ color 24.4849, 37.7407,

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

24.4849, 37.7407, 34.8484

Protanopia

35.1692, 37.2992, 29.7720

Deuteranopia

37.7560, 36.9213, 36.5891



Tritanopia

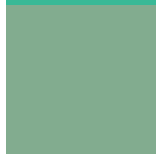
28.8382, 37.6717, 56.7904

Trichromacy



Original Color

24.4849, 37.7407, 34.8484



Protanomaly

28.9164, 36.2340, 31.4564



Deuteranomaly

30.1519, 35.6567, 35.8651



Tritanomaly

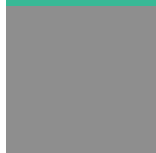
27.0140, 37.5273, 47.9392

Monochromacy



Original Color

24.4849, 37.7407, 34.8484



Achromatopsia

25.7108, 27.0498, 29.4572



Achromatomaly

23.8932, 29.8776, 31.2957

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.4849, 37.7407, 34.8484 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(56, 185, 150)` looks like.

```
.text, #text, p{  
    color:rgb(56, 185, 150)  
}
```

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(56, 185, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 185, 150) }
```

Border

The CSS property to change the border of an element to XYZ 24.4849, 37.7407, 34.8484 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(56, 185, 150) }
```


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

```
.border{ border-color:rgb(56, 185, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 185, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 185, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 185, 150);  
box-shadow:4px 4px 4px 4px rgb(56, 185,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 24.4849, 37.7407, 34.8484 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 185, 150) }
```

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

```
.background{ background-color: rgb(56, 185,  
150) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor