

Converting Colors

XYZ(25.4146, 38.0270, 35.4519)

Have a look what the booklet for
XYZ(25.4146, 38.0270, 35.4519)
contains.

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Color

**XYZ(25.3249, 37.8549,
35.2501)**

Conversions

Conversions Part 1

Format	Color
Hex	47B897
RGB	71, 184, 151
RGB Percent	28%, 72%, 59%
CMY	0.7216, 0.2784, 0.4078
CMYK	0.61, 0.00, 0.18, 0.28
HSL	162°, 44%, 50%
HSV	162°, 61%, 72%
XYZ	25.3249, 37.8549, 35.2501
YIQ	146.4510, -56.7550, -34.2190

Conversions

Conversions Part 2

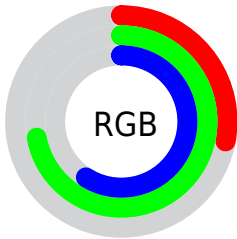
Format	Color
RYB	71, 137, 184
Decimal	4700311
CIELab	67.91, -39.96, 7.35
CIELCh	68, 40.626, 169.578
Yxy	37.8549, 0.2573, 0.3846
Android (android.graphics.Color)	4282890391 (0xFF47B897)
YUV	146.4510, 2.2427, -66.1705
Hunter-Lab	61.5263, -34.1986, 9.0996

Details

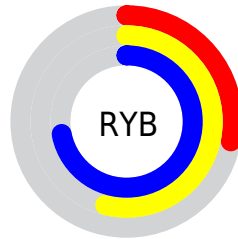
The XYZ color **25.3249, 37.8549, 35.2501** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **24.5203, 15.6972, 14.8356**, and the grayscale version is **27.5155, 28.9484, 31.5248**.

A 20% lighter version of the original color is **51.6807, 72.0642, 68.9435**, and **10.2829, 16.8854, 14.7738** is the 20% darker color. If you saturate the color by 10%, you get **23.7479, 37.0922, 32.9504**, and if you desaturate by 10%, it is **27.3324, 38.8392, 37.6755**.

Distribution



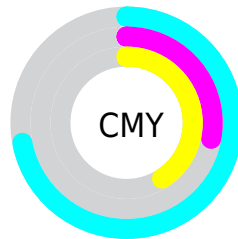
- Red (28%)
- Green (72%)
- Blue (59%)



- Red (28%)
- Yellow (54%)
- Blue (72%)



- Cyan (61%)
- Magenta (0%)
- Yellow (18%)
- Black (28%)





- Cyan (72%)
- Magenta (28%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.3249, 37.8549, 35.2501 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 25.3249, 37.8549, 35.2501 by changing the saturation by 10% instead.


 25.3249, 37.8549,
35.2501


 25.3249, 37.8549,
35.2501


271.7700,
336.9971, 340.6086


 16.4493, 25.8701,
23.5705


 51.6229, 71.8857,
69.0290


 9.9355, 16.7265,
14.8061


 69.7761, 94.7004,
91.9654


 5.4182, 10.0397,
8.5383


 91.7524, 121.8940,
119.4911

 2.5319, 5.4253,
4.3486

 117.9174,
153.8507, 152.0247

 0.9114, 2.4989,
1.8185

 148.6362,
190.9550, 189.9847

 0.0000, 0.8761,
0.4401

184.2744,

 0.0000, 0.0000,

233.5912, 233.7896

0.0000

225.1972,
282.1438, 283.8581

■ 25.3249, 37.8549,
35.2501

■ 25.3249, 37.8549,
35.2501

■ 23.7479, 37.0922,
32.9504

■ 27.3324, 38.8392,
37.6755

■ 22.5599, 36.5267,
30.7705

■ 29.8010, 40.0579,
40.2269

■ 21.7162, 36.1366,
28.7079

■ 32.7619, 41.5280,
42.9078

■ 21.1882, 35.9011,
27.0253

■ 36.2428, 43.2638,
45.7209

■ 40.2693, 45.2785,
48.6686

■ 44.8651, 47.5842,
51.7533

■ 50.0526, 50.1924,
54.9772

■ 55.8529, 53.1141,
58.3425

■ 62.2862, 56.3596,
61.8515

Harmonies

Analogous

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



27.5170, 37.8549, 22.5540



25.3249, 37.8549, 35.2501



25.7233, 37.8549, 53.9813

Triad

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



25.3249, 37.8549, 35.2501



40.1973, 37.8549, 83.3500



44.4276, 37.8549, 20.0324

Complementary

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



25.3249, 37.8549, 35.2501



24.5203, 15.6972, 14.8356

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.



48.6542, 37.8549, 30.6432



25.3249, 37.8549, 35.2501



46.0213, 37.8549, 68.0794

Square

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



25.3249, 37.8549, 35.2501



33.8310, 37.8549, 85.6650



49.2693, 37.8549, 47.8231



38.2180, 37.8549, 15.6315

Rectangle

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



25.3249, 37.8549, 35.2501



27.4211, 37.8549, 67.5332



49.2693, 37.8549, 47.8231



46.1567, 37.8549, 22.8173

Sweetspot

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



25.3259, 37.8564, 35.2510



67.8600, 79.5054, 84.5143



24.0929, 37.7346, 11.9755



14.1947, 16.9225, 17.8911



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.



25.3259, 37.8564, 35.2510



42.1447, 66.8046, 58.1919



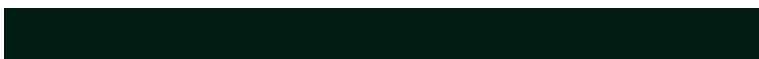
24.0663, 30.4314, 49.9545



9.1519, 10.1647, 10.9570



14.6342, 24.7546, 18.7934



0.5414, 0.8829, 0.7971

Inverse Universe

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



24.5203, 15.6972, 14.8356



40.6180, 23.1709, 18.2887



24.8729, 18.5808, 8.2373



9.1096, 9.0542, 9.9247



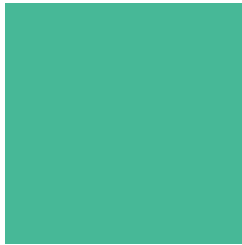
14.1053, 7.2159, 3.1755



0.5251, 0.2655, 0.2588

Previews

White Background



This preview shows how the XYZ color 25.3249, 37.8549, 35.2501 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 25.3249, 37.8549, 35.2501 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

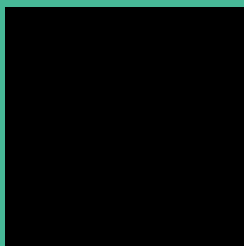
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

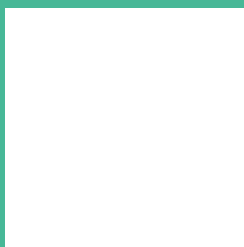
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 25.3249, 37.8549, 35.2501

Background



This preview shows how black text looks on a background with the XYZ color 25.3249, 37.8549, 35.2501.

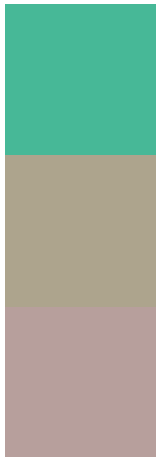


This preview shows how white text looks on a background with the XYZ color 25.3249, 37.8549,

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

25.3249, 37.8549, 35.2501

Protanopia

35.3168, 37.3582, 30.5488

Deuteranopia

37.9273, 37.2639, 36.6461



Tritanopia

29.4765, 37.7173, 56.1787

Trichromacy



Original Color

25.3249, 37.8549, 35.2501



Protanomaly

29.8271, 36.4044, 32.2428



Deuteranomaly

30.9907, 36.0891, 35.9044



Tritanomaly

27.7505, 37.6062, 47.9156

Monochromacy



Original Color

25.3249, 37.8549, 35.2501



Achromatopsia

27.3213, 28.7441, 31.3023



Achromatomaly

25.5239, 31.2017, 32.6942

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.3249, 37.8549, 35.2501 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(71, 184, 151)` looks like.

```
.text, #text, p{  
    color:rgb(71, 184, 151)  
}
```

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(71, 184, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 184, 151) }
```

Border

The CSS property to change the border of an element to XYZ 25.3249, 37.8549, 35.2501 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(71, 184, 151) }
```


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

```
.border{ border-color:rgb(71, 184, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 184, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 184, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 184, 151);  
box-shadow:4px 4px 4px 4px rgb(71, 184,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 25.3249, 37.8549, 35.2501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 184, 151) }
```

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

```
.background{ background-color: rgb(71, 184,  
151) }
```

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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