

Converting Colors

XYZ(42.3844, 50.2278, 48.8046)

Have a look what the booklet for
XYZ(42.3844, 50.2278, 48.8046)
contains.

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Color

**XYZ(42.3737, 50.2312,
49.0572)**

Conversions

Conversions Part 1

Format	Color
Hex	A1C4B1
RGB	161, 196, 177
RGB Percent	63%, 77%, 69%
CMY	0.3686, 0.2314, 0.3059
CMYK	0.18, 0.00, 0.10, 0.23
HSL	147°, 23%, 70%
HSV	147°, 18%, 77%
XYZ	42.3737, 50.2312, 49.0572
YIQ	183.3690, -14.7610, -13.3290

Conversions

Conversions Part 2

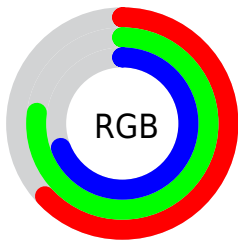
Format	Color
RYB	161, 185, 196
Decimal	10601649
CIELab	76.21, -15.50, 5.66
CIElCh	76, 16.498, 159.936
Yxy	50.2312, 0.2991, 0.3546
Android (android.graphics.Color)	4288791729 (0xFFA1C4B1)
YUV	183.3690, -3.1399, -19.6176
Hunter-Lab	70.8740, -17.3090, 8.5727

Details

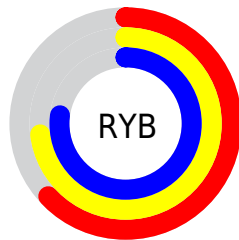
The XYZ color **42.3737, 50.2312, 49.0572** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **43.7498, 40.5221, 48.6980**, and the grayscale version is **45.2360, 47.5918, 51.8274**.

A 20% lighter version of the original color is **78.1522, 90.7327, 90.4849**, and **19.6178, 24.0524, 22.6774** is the 20% darker color. If you saturate the color by 10%, you get **37.7098, 47.9461, 43.5170**, and if you desaturate by 10%, it is **47.7423, 52.8728, 55.0643**.

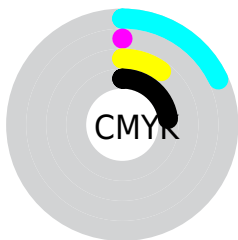
Distribution



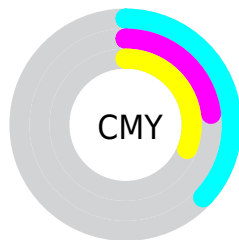
- Red (63%)
- Green (77%)
- Blue (69%)



- Red (63%)
- Yellow (73%)
- Blue (77%)



- Cyan (18%)
- Magenta (0%)
- Yellow (10%)
- Black (23%)




- Cyan (37%)
- Magenta (23%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.3737, 50.2312, 49.0572 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 42.3737, 50.2312, 49.0572 by changing the saturation by 10% instead.


 42.3737, 50.2312,
49.0572


 42.3737, 50.2312,
49.0572


346.9951,
387.5694, 399.5964

 29.5864, 35.5971,
34.2989


 78.0265, 90.5173,
90.1583

 19.6714, 24.1232,
22.8441


 101.6227,
116.9382, 117.3382

 12.2633, 15.4250,
14.2742


129.5527,
148.0568, 149.4957

 6.9967, 9.1182,
8.1707

162.1816,
184.2575, 187.0493

 3.5064, 4.8184,
4.1150

199.8750,
225.9247, 230.4177

 1.4268, 2.1411,
1.6887

242.9981,

 0.2752, 0.6876,

273.4428, 280.0193

0.3530

291.9164,
327.1963, 336.2727

■ 0.0000, 0.0000,
0.0000

■ 42.3737, 50.2312,
49.0572

■ 42.3737, 50.2312,
49.0572

■ 37.7098, 47.9461,
43.5170

■ 47.7423, 52.8728,
55.0643

■ 33.7157, 45.9955,
38.4291

■ 53.8402, 55.8793,
61.5457

■ 30.3600, 44.3649,
33.7829

■ 60.6957, 59.2663,
68.5131

■ 27.6066, 43.0360,
29.5663

■ 68.3346, 63.0470,
75.9764

■ 25.4160, 41.9885,
25.7664

■ 75.2928, 66.4664,
83.8759

■ 23.7433, 41.1997,
22.3697

■ 76.8352, 67.0834,
91.9984

■ 22.5366, 40.6430,
19.3616

■ 78.4705, 67.7376,
100.6098

■ 21.7196, 40.2793,
16.7262

■ 79.0308, 67.9617,
103.5603

■ 21.5691, 40.2130,
16.2076

Harmonies

Analogous

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



44.0276, 50.2312, 42.6489



42.3737, 50.2312, 49.0572



42.1233, 50.2312, 57.6840

Triad

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



42.3737, 50.2312, 49.0572



48.7764, 50.2312, 73.2375



52.4485, 50.2312, 44.4752

Complementary

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



42.3737, 50.2312, 49.0572



43.7498, 40.5221, 48.6980

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.



53.8421, 50.2312, 51.8077



42.3737, 50.2312, 49.0572



51.6623, 50.2312, 68.8153

Square

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



42.3737, 50.2312, 49.0572



45.7325, 50.2312, 72.2963



53.5483, 50.2312, 60.7452



49.8121, 50.2312, 40.2081

Rectangle

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



42.3737, 50.2312, 49.0572



42.7742, 50.2312, 63.6377



53.5483, 50.2312, 60.7452



53.0829, 50.2312, 46.6288

Sweetspot

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



42.3751, 50.2333, 49.0583



89.4192, 97.2237, 102.9236



45.0554, 51.7886, 41.3406



18.9760, 20.7293, 21.8540



0.0000, 0.0000, 0.0000



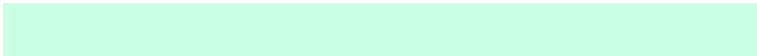
20.3446, 21.4041, 23.3091

Same Dimension

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



42.3751, 50.2333, 49.0583



73.6861, 89.4870, 85.2887



44.2053, 50.9654, 58.6960



10.1316, 11.3337, 11.6964



13.9008, 25.8544, 10.6367



0.6353, 1.1310, 0.6425

Inverse Universe

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



43.7498, 40.5221, 48.6980



76.5881, 68.9860, 84.5269



42.0998, 39.8621, 40.0092



10.2967, 10.1673, 11.6532



16.3567, 8.2324, 9.7902



0.7412, 0.3695, 0.6044

Previews

White Background



This preview shows how the XYZ color 42.3737, 50.2312, 49.0572 looks on a white background.

Color Contrast Check

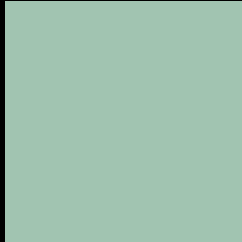
Large Text (above 18pt) WCAG AA × Fail

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 42.3737, 50.2312, 49.0572 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

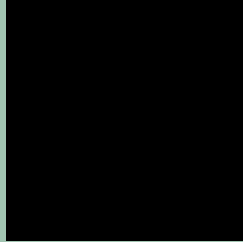
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

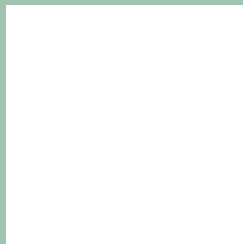
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.3737, 50.2312, 49.0572

Background



This preview shows how black text looks on a background with the XYZ color 42.3737, 50.2312, 49.0572.



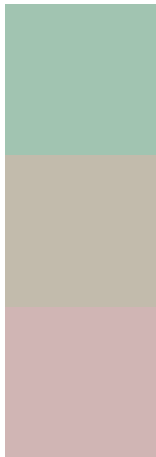
This preview shows how white text looks on a background with the XYZ color 42.3737, 50.2312,

49.0572.

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

42.3737, 50.2312, 49.0572

Protanopia

47.4649, 49.9885, 46.1768

Deuteranopia

50.7745, 49.7529, 50.1072



Tritanopia

45.8380, 50.3113, 66.3266

Trichromacy



Original Color

42.3737, 50.2312, 49.0572

Protanomaly

45.3448, 49.8280, 47.2722

Deuteranomaly

47.1814, 49.4489, 49.7057

Tritanomaly

44.3436, 50.0180, 59.5418

Monochromacy



Original Color

42.3737, 50.2312, 49.0572

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

44.0029, 48.4166, 50.7422

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.3737, 50.2312, 49.0572 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(161, 196, 177)` looks like.

```
.text, #text, p{  
    color:rgb(161, 196, 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(161, 196, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 196, 177) }
```

Border

The CSS property to change the border of an element to XYZ 42.3737, 50.2312, 49.0572 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(161, 196, 177) }
```


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

```
.border{ border-color:rgb(161, 196, 177) }
```

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

Here you see how a box with a 4 pixel rgb(161, 196, 177) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 196, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 196, 177);  
box-shadow:4px 4px 4px 4px rgb(161, 196,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 42.3737, 50.2312, 49.0572 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 196, 177) }
```

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

```
.background{ background-color: rgb(161,  
196, 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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