

Converting Colors

XYZ(37.7076, 42.7496, 49.0661)

Have a look what the booklet for
XYZ(37.7076, 42.7496, 49.0661)
contains.

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Color

**XYZ(37.5948, 42.6695,
48.9024)**

Conversions

Conversions Part 1

Format	Color
Hex	99B4B3
RGB	153, 180, 179
RGB Percent	60%, 71%, 70%
CMY	0.4000, 0.2941, 0.2980
CMYK	0.15, 0.00, 0.01, 0.29
HSL	178°, 15%, 65%
HSV	178°, 15%, 71%
XYZ	37.5948, 42.6695, 48.9024
YIQ	171.8130, -15.7710, -6.0350

Conversions

Conversions Part 2

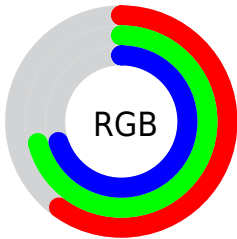
Format	Color
R_YB	153, 167, 180
Decimal	10073267
CIE Lab	71.33, -9.39, -2.59
CIE LCh	71, 9.746, 195.435
Yxy	42.6695, 0.2911, 0.3303
Android (android.graphics.Color)	4288263347 (0xFF99B4B3)
YUV	171.8130, 3.5432, -16.4990
Hunter-Lab	65.3219, -11.5810, 1.3386

Details

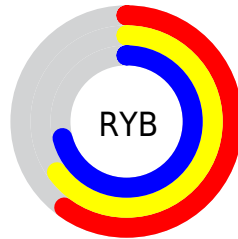
The XYZ color **37.5948, 42.6695, 48.9024** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **36.0479, 34.8200, 35.3947**, and the grayscale version is **39.1075, 41.1441, 44.8060**.

A 20% lighter version of the original color is **71.0033, 79.3990, 90.1805**, and **16.8348, 19.5099, 22.6172** is the 20% darker color. If you saturate the color by 10%, you get **34.3833, 41.0228, 48.4009**, and if you desaturate by 10%, it is **41.3217, 44.5841, 49.4315**.

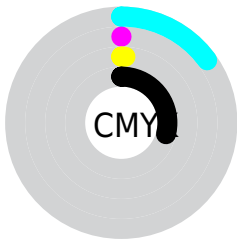
Distribution



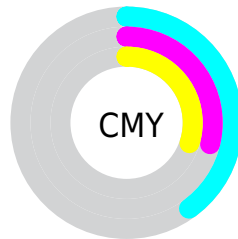
- Red (60%)
- Green (71%)
- Blue (70%)



- Red (60%)
- Yellow (65%)
- Blue (71%)



- Cyan (15%)
- Magenta (0%)
- Yellow (1%)
- Black (29%)



- Cyan (40%)
- Magenta (29%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.5948, 42.6695, 48.9024 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 37.5948, 42.6695, 48.9024 by changing the saturation by 10% instead.

■ 37.5948, 42.6695,
48.9024

■ 37.5948, 42.6695,
48.9024

327.1896,
357.2508, 398.9694

■ 25.8441, 29.6259,
34.1770

■ 70.7946, 79.2119,
89.9260

■ 16.8391, 19.5548,
22.7512

■ 92.9744, 103.4794,
117.0612

■ 10.2145, 12.0718,
14.2063

119.3613,
132.2571, 149.1702

■ 5.6047, 6.7926,
8.1239

150.3206,
165.9293, 186.6714

■ 2.6446, 3.3327,
4.0854

186.2177,
204.8803, 229.9834

■ 0.9687, 1.3078,
1.6723

227.4181,

■ 0.0000, 0.1472,

249.4947, 279.5247

0.3417

274.2869,
300.1567, 335.7138

■ 0.0000, 0.0000,
0.0000

■ 37.5948, 42.6695,
48.9024

■ 37.5948, 42.6695,
48.9024

■ 34.3833, 41.0228,
48.4009

■ 41.3217, 44.5841,
49.4315

■ 31.6605, 39.6269,
47.9232

■ 45.5816, 46.7723,
49.9863

■ 29.4031, 38.4709,
47.4689

■ 50.3961, 49.2463,
50.5688

■ 27.5843, 37.5410,
47.0368

■ 55.7843, 52.0161,
51.1799

■ 26.1747, 36.8220,
46.6256

■ 61.7644, 55.0910,
51.8204

■ 25.1412, 36.2968,
46.2337

■ 66.1105, 57.3235,
52.3861

■ 24.4455, 35.9457,
45.8593

■ 66.1802, 57.3514,
52.7535

■ 24.0410, 35.7447,
45.5003

■ 66.2503, 57.3794,
53.1226

■ 23.8959, 35.6736,
45.3241

■ 66.3208, 57.4076,
53.4934

Harmonies

Analogous

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



37.5830, 42.6695, 44.2278



37.5948, 42.6695, 48.9024



38.3855, 42.6695, 53.1881

Triad

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



37.5948, 42.6695, 48.9024



42.8420, 42.6695, 53.0823



41.3534, 42.6695, 38.2639

Complementary

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



37.5948, 42.6695, 48.9024



36.0479, 34.8200, 35.3947

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.



42.8069, 42.6695, 40.3243



37.5948, 42.6695, 48.9024



43.6819, 42.6695, 48.7657

Square

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



37.5948, 42.6695, 48.9024



41.4002, 42.6695, 55.7098



43.6689, 42.6695, 44.1000



39.7235, 42.6695, 38.2950

Rectangle

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



37.5948, 42.6695, 48.9024



39.2606, 42.6695, 55.1572



43.6689, 42.6695, 44.1000



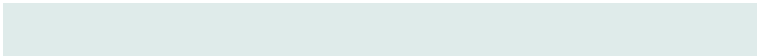
41.8798, 42.6695, 38.7284

Sweetspot

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



37.5960, 42.6713, 48.9034



74.8602, 80.8052, 89.6172



35.4654, 41.8486, 36.3461



16.0725, 17.4097, 19.3548



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



37.5960, 42.6713, 48.9034



66.1390, 76.3280, 88.3617



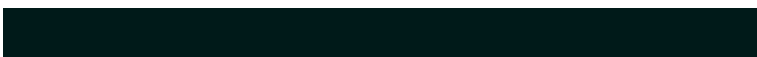
35.3513, 38.0189, 48.6573



8.7287, 9.6260, 10.8312



16.6828, 24.8991, 31.6619



0.5291, 0.7851, 1.0183

Inverse Universe

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



36.0479, 34.8200, 35.3947



62.7913, 59.3493, 59.1497



38.0559, 38.9691, 35.6537



8.5087, 8.5102, 8.9114



13.1680, 6.7848, 0.7787



0.4185, 0.2152, 0.0467

Previews

White Background



This preview shows how the XYZ color 37.5948, 42.6695, 48.9024 looks on a white background.

Color Contrast Check

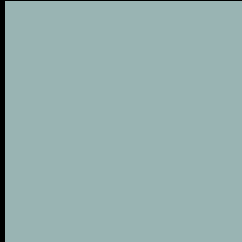
Large Text (above 18pt) WCAG AA × Fail

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 37.5948, 42.6695, 48.9024 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

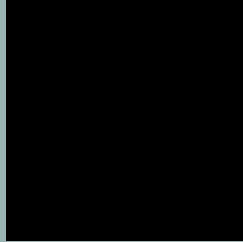
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

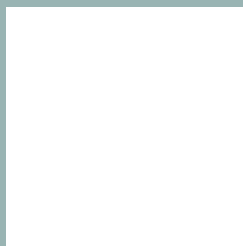
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.5948, 42.6695, 48.9024

Background



This preview shows how black text looks on a background with the XYZ color 37.5948, 42.6695, 48.9024.

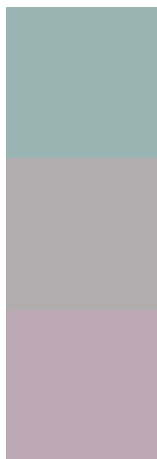


This preview shows how white text looks on a background with the XYZ color 37.5948, 42.6695,

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

37.5948, 42.6695, 48.9024

Protanopia

40.8129, 42.3294, 46.5768

Deuteranopia

43.2675, 42.4035, 49.6203



Tritanopia

38.9524, 42.6151, 56.0417

Trichromacy



Original Color

37.5948, 42.6695, 48.9024

Protanomaly

39.5103, 42.5101, 47.1971

Deuteranomaly

40.8610, 42.2964, 49.1904

Tritanomaly

38.4162, 42.6981, 53.2305

Monochromacy



Original Color

37.5948, 42.6695, 48.9024

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

38.5849, 41.7544, 46.5832

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.5948, 42.6695, 48.9024 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(153, 180, 179)` looks like.

```
.text, #text, p{  
    color:rgb(153, 180, 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(153, 180, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 180, 179) }
```

Border

The CSS property to change the border of an element to XYZ 37.5948, 42.6695, 48.9024 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(153, 180, 179) }
```


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

```
.border{ border-color:rgb(153, 180, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 180, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 180, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 180, 179);  
box-shadow:4px 4px 4px 4px rgb(153, 180,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 37.5948, 42.6695, 48.9024 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 180, 179) }
```

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

```
.background{ background-color: rgb(153,  
180, 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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