

Converting Colors

XYZ(42.3953, 50.1172, 58.7705)

Have a look what the booklet for
XYZ(42.3953, 50.1172, 58.7705)
contains.

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Color

**XYZ(42.2400, 49.9542,
58.4548)**

Conversions

Conversions Part 1

Format	Color
Hex	97C4C2
RGB	151, 196, 194
RGB Percent	59%, 77%, 76%
CMY	0.4078, 0.2314, 0.2392
CMYK	0.23, 0.00, 0.01, 0.23
HSL	177°, 28%, 68%
HSV	177°, 23%, 77%
XYZ	42.2400, 49.9542, 58.4548
YIQ	182.3170, -26.1780, -10.1620

Conversions

Conversions Part 2

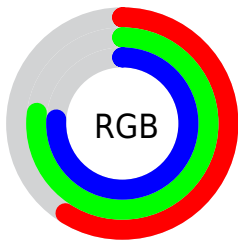
Format	Color
R_{YB}	151, 174, 196
Decimal	9946306
CIE Lab	76.04, -15.17, -3.86
CIE LCh	76, 15.650, 194.268
Yxy	49.9542, 0.2804, 0.3316
Android (android.graphics.Color)	4288136386 (0xFF97C4C2)
YUV	182.3170, 5.7597, -27.4650
Hunter-Lab	70.6783, -17.0087, 0.4387

Details

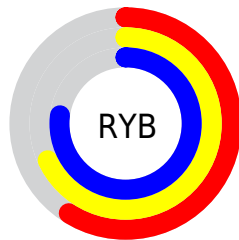
The XYZ color **42.2400, 49.9542, 58.4548** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **39.5830, 36.1702, 35.0342**, and the grayscale version is **44.6171, 46.9407, 51.1184**.

A 20% lighter version of the original color is **77.8342, 90.2745, 103.7649**, and **19.5522, 23.8921, 28.3921** is the 20% darker color. If you saturate the color by 10%, you get **38.8033, 48.1951, 57.7851**, and if you desaturate by 10%, it is **46.2850, 52.0294, 59.1581**.

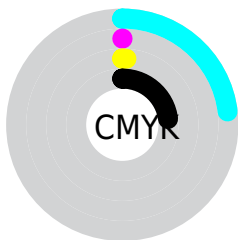
Distribution



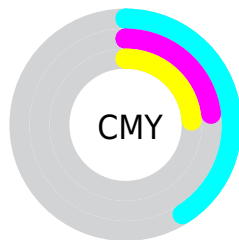
- Red (59%)
- Green (77%)
- Blue (76%)



- Red (59%)
- Yellow (68%)
- Blue (77%)



- Cyan (23%)
- Magenta (0%)
- Yellow (1%)
- Black (23%)





- Cyan (41%)
- Magenta (23%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.2400, 49.9542, 58.4548 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 42.2400, 49.9542, 58.4548 by changing the saturation by 10% instead.


 42.2400, 49.9542,
58.4548


 42.2400, 49.9542,
58.4548


346.4516,
386.4868, 436.5240

 29.4812, 35.3770,
41.7573

 77.8256, 90.1070,
104.1062

 19.5912, 23.9534,
28.5871


 101.3831,
116.4514, 133.8971

 12.2048, 15.2991,
18.5258


129.2709,
147.4870, 168.8896

 6.9565, 9.0296,
11.1548

161.8544,
183.5982, 209.5021

 3.4810, 4.7605,
6.0556

199.4988,
225.1694, 256.1533

 1.4129, 2.1074,
2.8096

242.5696,

 0.2654, 0.6688,

272.5850, 309.2616

0.9982

291.4321,
326.2293, 369.2457

■ 0.0000, 0.0000,
0.0000

■ 42.2400, 49.9542,
58.4548

■ 42.2400, 49.9542,
58.4548

■ 38.8033, 48.1951,
57.7851

■ 46.2850, 52.0294,
59.1581

■ 35.9406, 46.7305,
57.1443

■ 50.9616, 54.4289,
59.8928

■ 33.6209, 45.5459,
56.5318

■ 56.2975, 57.1681,
60.6615

■ 31.8087, 44.6227,
55.9461

■ 62.3172, 60.2598,
61.4651

■ 30.4640, 43.9405,
55.3852

■ 69.0440, 63.7161,
62.3049

■ 29.5411, 43.4757,
54.8470

■ 71.3169, 64.8761,
62.9392

■ 28.9847, 43.1998,
54.3290

■ 71.4186, 64.9168,
63.4750

■ 28.7407, 43.0816,
53.9730

■ 71.5210, 64.9577,
64.0139

■ 71.6239, 64.9989,
64.5558

Harmonies

Analogous

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



42.2744, 49.9542, 50.1442



42.2400, 49.9542, 58.4548



43.5690, 49.9542, 66.4150

Triad

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



42.2400, 49.9542, 58.4548



51.5110, 49.9542, 66.7476



49.0198, 49.9542, 40.3263

Complementary

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



42.2400, 49.9542, 58.4548



39.5830, 36.1702, 35.0342

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.



51.6182, 49.9542, 43.9147



42.2400, 49.9542, 58.4548



53.0963, 49.9542, 58.8724

Square

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



42.2400, 49.9542, 58.4548



48.8783, 49.9542, 71.5252



53.1363, 49.9542, 50.5213



46.1086, 49.9542, 40.2392

Rectangle

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



42.2400, 49.9542, 58.4548



45.0820, 49.9542, 70.2137



53.1363, 49.9542, 50.5213



49.9615, 49.9542, 41.1452

Sweetspot

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



42.2414, 49.9562, 58.4559



88.6575, 96.7193, 107.9347



38.5114, 48.5129, 36.6132



18.8644, 20.6445, 23.0850



0.0000, 0.0000, 0.0000



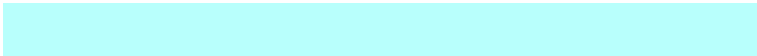
20.3446, 21.4041, 23.3091

Same Dimension

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



42.2414, 49.9562, 58.4559



72.9741, 88.6781, 105.2187



38.2041, 41.5191, 58.2273



10.3486, 11.4205, 12.8388



18.4751, 27.6841, 34.7244



0.8043, 1.1986, 1.5324

Inverse Universe

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



39.5830, 36.1702, 35.0342



67.2433, 58.9533, 54.7238



42.9628, 43.1922, 35.3515



10.0910, 10.0850, 10.5695



14.6667, 7.5564, 0.8908



0.6401, 0.3290, 0.0721

Previews

White Background



This preview shows how the XYZ color 42.2400, 49.9542, 58.4548 looks on a white background.

Color Contrast Check

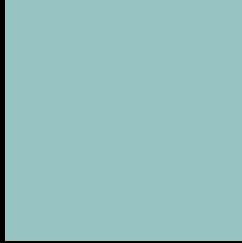
Large Text (above 18pt) WCAG AA × Fail

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 42.2400, 49.9542, 58.4548 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 42.2400, 49.9542, 58.4548

Background



This preview shows how black text looks on a background with the XYZ color 42.2400, 49.9542, 58.4548.

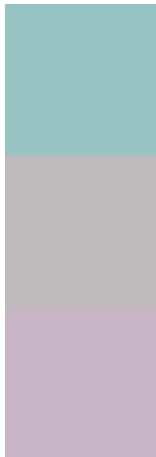


This preview shows how white text looks on a background with the XYZ color 42.2400, 49.9542,

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

42.2400, 49.9542, 58.4548

Protanopia

47.8712, 49.6958, 54.6461

Deuteranopia

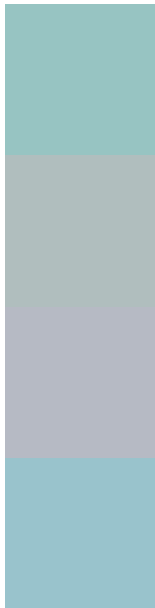
50.4213, 49.3583, 59.6929



Tritanopia

44.1268, 50.0570, 67.6578

Trichromacy



Original Color

42.2400, 49.9542, 58.4548

Protanomaly

45.6122, 49.7747, 55.9187

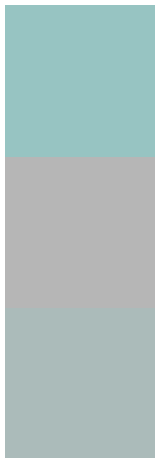
Deuteranomaly

46.8141, 49.0484, 59.2245

Tritanomaly

43.5511, 50.1622, 64.5136

Monochromacy



Original Color

42.2400, 49.9542, 58.4548

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

43.4278, 47.7437, 53.3809

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.2400, 49.9542, 58.4548 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(151, 196, 194)` looks like.

```
.text, #text, p{  
    color:rgb(151, 196, 194)  
}
```

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(151, 196, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 196, 194) }
```

Border

The CSS property to change the border of an element to XYZ 42.2400, 49.9542, 58.4548 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(151, 196, 194) }
```


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

```
.border{ border-color:rgb(151, 196, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 196, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 196, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 196, 194);  
box-shadow:4px 4px 4px 4px rgb(151, 196,  
194) }
```

Background

The CSS property to change the background color of an element to XYZ 42.2400, 49.9542, 58.4548 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 196, 194) }
```

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

```
.background{ background-color: rgb(151,  
196, 194) }
```

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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