

Converting Colors

XYZ(42.8802, 50.4723, 55.3613)

Have a look what the booklet for
XYZ(42.8802, 50.4723, 55.3613)
contains.

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Color

**XYZ(42.8299, 50.3221,
55.5999)**

Conversions

Conversions Part 1

Format	Color
Hex	9DC4BD
RGB	157, 196, 189
RGB Percent	62%, 77%, 74%
CMY	0.3843, 0.2314, 0.2588
CMYK	0.20, 0.00, 0.04, 0.23
HSL	169°, 25%, 69%
HSV	169°, 20%, 77%
XYZ	42.8299, 50.3221, 55.5999
YIQ	183.5410, -20.9970, -10.4450

Conversions

Conversions Part 2

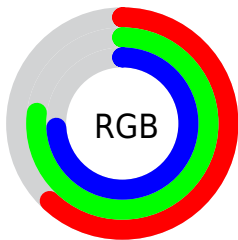
Format	Color
RYB	157, 178, 196
Decimal	10339517
CIELab	76.27, -14.37, -0.78
CIELCh	76, 14.392, 183.098
Yxy	50.3221, 0.2879, 0.3383
Android (android.graphics.Color)	4288529597 (0xFF9DC4BD)
YUV	183.5410, 2.6913, -23.2765
Hunter-Lab	70.9381, -16.3696, 3.1863

Details

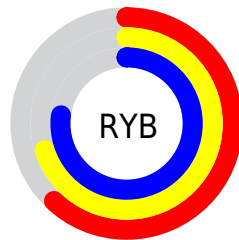
The XYZ color **42.8299, 50.3221, 55.5999** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **41.5246, 38.5314, 40.3729**, and the grayscale version is **45.3020, 47.6613, 51.9031**.

A 20% lighter version of the original color is **78.7581, 90.8402, 99.7691**, and **19.9426, 24.1268, 26.8984** is the 20% darker color. If you saturate the color by 10%, you get **38.9313, 48.3573, 53.4483**, and if you desaturate by 10%, it is **47.3541, 52.6111, 57.8313**.

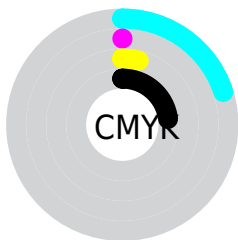
Distribution



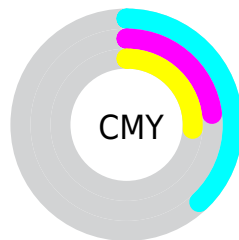
- Red (62%)
- Green (77%)
- Blue (74%)



- Red (62%)
- Yellow (70%)
- Blue (77%)



- Cyan (20%)
- Magenta (0%)
- Yellow (4%)
- Black (23%)





- Cyan (38%)
- Magenta (23%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.8299, 50.3221, 55.5999 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 42.8299, 50.3221, 55.5999 by changing the saturation by 10% instead.


 42.8299, 50.3221,
55.5999


 42.8299, 50.3221,
55.5999


348.8451,
387.9242, 425.5278

 29.9456, 35.6694,
39.4804


 78.7114, 90.6519,
99.8993

 19.9452, 24.1790,
26.8229


 102.4394,
117.0978, 128.9163

 12.4632, 15.4664,
17.2090


130.5126,
148.2436, 163.0695

 7.1344, 9.1474,
10.2201

163.2964,
184.4737, 202.7774

 3.5934, 4.8374,
5.4376

201.1563,
226.1723, 248.4587

 1.4748, 2.1522,
2.4431

244.4574,

 0.3086, 0.6937,

273.7241, 300.5318

0.8098

293.5653,
327.5132, 359.4154

■ 0.0000, 0.0000,
0.0000

■ 42.8299, 50.3221,
55.5999

■ 42.8299, 50.3221,
55.5999

■ 38.9313, 48.3573,
53.4483

■ 47.3541, 52.6111,
57.8313

■ 35.6248, 46.6952,
51.3715

■ 52.5269, 55.2320,
60.1407

■ 32.8801, 45.3218,
49.3686

■ 58.3755, 58.2002,
62.5307

■ 30.6626, 44.2191,
47.4378

■ 64.9240, 61.5282,
65.0029

■ 28.9339, 43.3673,
45.5769

■ 72.1941, 65.2270,
67.5586

■ 27.6501, 42.7438,
43.7835

■ 72.6282, 65.4006,
69.8445

■ 26.7593, 42.3219,
42.0548

■ 73.0719, 65.5781,
72.1811

■ 26.1630, 42.0508,
40.3858

■ 73.5254, 65.7595,
74.5688

■ 26.1573, 42.0483,
40.3691

■ 73.9886, 65.9448,
77.0079

Harmonies

Analogous

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



43.3469, 50.3221, 48.3354



42.8299, 50.3221, 55.5999



43.6103, 50.3221, 63.3206

Triad

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



42.8299, 50.3221, 55.5999



50.7215, 50.3221, 68.2179



50.2177, 50.3221, 42.5719

Complementary

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



42.8299, 50.3221, 55.5999



41.5246, 38.5314, 40.3729

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.



52.3127, 50.3221, 47.0662



42.8299, 50.3221, 55.5999



52.6112, 50.3221, 61.7998

Square

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



42.8299, 50.3221, 55.5999



48.1108, 50.3221, 71.0230



53.2041, 50.3221, 53.9924



47.5495, 50.3221, 41.2442

Rectangle

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



42.8299, 50.3221, 55.5999



44.7791, 50.3221, 67.5649



53.2041, 50.3221, 53.9924



51.0156, 50.3221, 43.7401

Sweetspot

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



42.8313, 50.3242, 55.6010



89.2042, 97.0371, 106.3343



41.1681, 49.8248, 39.3466



18.9629, 20.7039, 22.7008



0.0000, 0.0000, 0.0000



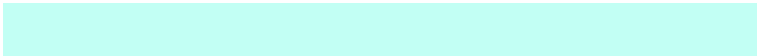
20.3446, 21.4041, 23.3091

Same Dimension

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



42.8313, 50.3242, 55.6010



74.2878, 89.4953, 98.9563



40.9379, 45.2912, 58.8114



10.2884, 11.3964, 12.5222



16.8354, 27.0282, 26.0900



0.7482, 1.1761, 1.2365

Inverse Universe

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



41.5246, 38.5314, 40.3729



71.4812, 64.1522, 66.2387



43.1057, 42.6780, 37.8650



10.1454, 10.1068, 10.8562



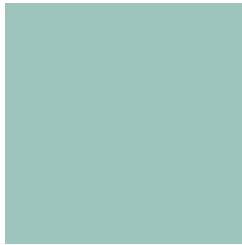
14.8473, 7.6287, 1.8422



0.6646, 0.3389, 0.2013

Previews

White Background



This preview shows how the XYZ color 42.8299, 50.3221, 55.5999 looks on a white background.

Color Contrast Check

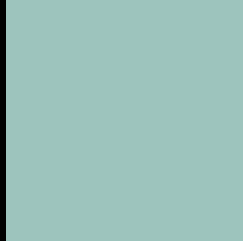
Large Text (above 18pt) WCAG AA × Fail

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 42.8299, 50.3221, 55.5999 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

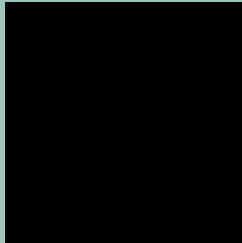
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

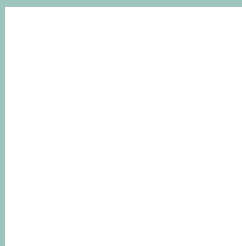
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.8299, 50.3221, 55.5999

Background



This preview shows how black text looks on a background with the XYZ color 42.8299, 50.3221, 55.5999.

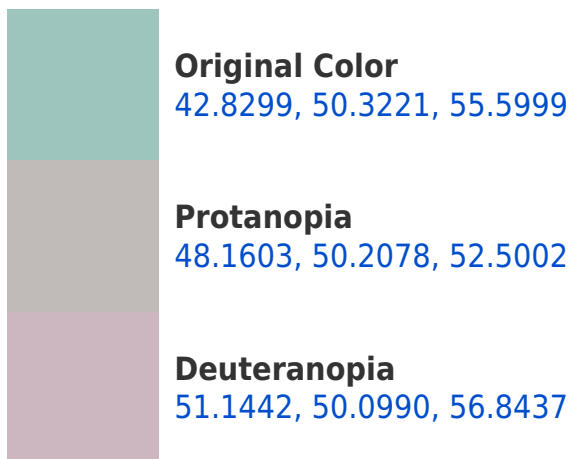


This preview shows how white text looks on a background with the XYZ color 42.8299, 50.3221,

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





Tritanopia

45.1531, 50.2711, 66.9980

Trichromacy



Original Color

42.8299, 50.3221, 55.5999

Protanomaly

45.8668, 49.9558, 53.6794

Deuteranomaly

47.6678, 49.8670, 56.4032

Tritanomaly

44.3316, 50.2742, 62.6257

Monochromacy



Original Color

42.8299, 50.3221, 55.5999

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

44.3017, 48.5103, 53.4828

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.8299, 50.3221, 55.5999 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(157, 196, 189)` looks like.

```
.text, #text, p{  
    color:rgb(157, 196, 189)  
}
```

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(157, 196, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 196, 189) }
```

Border

The CSS property to change the border of an element to XYZ 42.8299, 50.3221, 55.5999 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(157, 196, 189) }
```


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

```
.border{ border-color:rgb(157, 196, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 196, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 196, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 196, 189);  
box-shadow:4px 4px 4px 4px rgb(157, 196,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 42.8299, 50.3221, 55.5999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 196, 189) }
```

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

```
.background{ background-color: rgb(157,  
196, 189) }
```

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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