

Converting Colors

XYZ(42.2009, 49.5332, 53.9435)

Have a look what the booklet for
XYZ(42.2009, 49.5332, 53.9435)
contains.

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Color

**XYZ(42.2827, 49.7435,
53.8273)**

Conversions

Conversions Part 1

Format	Color
Hex	9DC3BA
RGB	157, 195, 186
RGB Percent	62%, 76%, 73%
CMY	0.3843, 0.2353, 0.2706
CMYK	0.19, 0.00, 0.05, 0.24
HSL	166°, 24%, 69%
HSV	166°, 19%, 76%
XYZ	42.2827, 49.7435, 53.8273
YIQ	182.6120, -19.7590, -10.8550

Conversions

Conversions Part 2

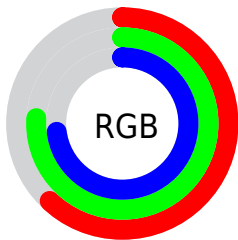
Format	Color
RYB	157, 179, 195
Decimal	10339258
CIELab	75.91, -14.48, 0.33
CIELCh	76, 14.484, 178.705
Yxy	49.7435, 0.2899, 0.3411
Android (android.graphics.Color)	4288529338 (0xFF9DC3BA)
YUV	182.6120, 1.6703, -22.4617
Hunter-Lab	70.5291, -16.4138, 4.1206

Details

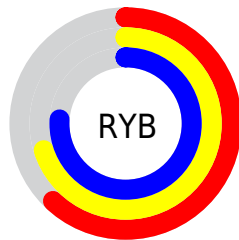
The XYZ color **42.2827, 49.7435, 53.8273** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **41.4474, 38.4706, 41.3197**, and the grayscale version is **44.7974, 47.1303, 51.3249**.

A 20% lighter version of the original color is **77.9888, 90.0287, 97.2712**, and **19.5842, 23.7465, 25.7416** is the 20% darker color. If you saturate the color by 10%, you get **38.2947, 47.7448, 51.1191**, and if you desaturate by 10%, it is **46.8966, 52.0657, 56.6498**.

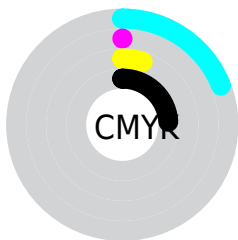
Distribution



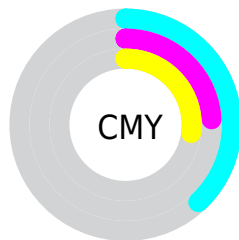
- Red (62%)
- Green (76%)
- Blue (73%)



- Red (62%)
- Yellow (70%)
- Blue (76%)



- Cyan (19%)
- Magenta (0%)
- Yellow (5%)
- Black (24%)





- Cyan (38%)
- Magenta (24%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.2827, 49.7435, 53.8273 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 42.2827, 49.7435, 53.8273 by changing the saturation by 10% instead.


 42.2827, 49.7435,
53.8273


 42.2827, 49.7435,
53.8273


346.6252,
385.6620, 418.6071

 29.5148, 35.2096,
38.0714


 77.8898, 89.7947,
97.2745

 19.6168, 23.8244,
25.7358


 101.4597,
116.0809, 125.8028

 12.2235, 15.2034,
16.4021


129.3609,
147.0532, 159.4257

 6.9693, 8.9623,
9.6517

161.9589,
183.0962, 198.5616

 3.4891, 4.7166,
5.0661

199.6190,
224.5941, 243.6292

 1.4174, 2.0819,
2.2267

242.7065,

 0.2686, 0.6544,

271.9315, 295.0469

0.6897

291.5868,
325.4927, 353.2334

■ 0.0000, 0.0000,
0.0000

■ 42.2827, 49.7435,
53.8273

■ 42.2827, 49.7435,
53.8273

■ 38.2947, 47.7448,
51.1191

■ 46.8966, 52.0657,
56.6498

■ 34.8995, 46.0485,
48.5197

■ 52.1593, 54.7192,
59.5853

■ 32.0673, 44.6407,
46.0280

■ 58.0974, 57.7190,
62.6368

■ 29.7640, 43.5037,
43.6415

■ 64.7349, 61.0775,
65.8062

■ 27.9516, 42.6181,
41.3579

■ 72.0947, 64.8065,
69.0953

■ 26.5871, 41.9615,
39.1741

■ 72.8578, 65.1327,
72.1623

■ 25.6196, 41.5080,
37.0869

■ 73.4553, 65.3717,
75.3088

■ 24.9569, 41.2098,
35.0913

■ 74.0697, 65.6175,
78.5441

■ 24.9255, 41.1958,
34.9913

■ 74.7011, 65.8700,
81.8690

Harmonies

Analogous

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



42.9857, 49.7435, 46.8085



42.2827, 49.7435, 53.8273



42.8758, 49.7435, 61.6128

Triad

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



42.2827, 49.7435, 53.8273



49.8143, 49.7435, 68.2601



50.0248, 49.7435, 42.4374

Complementary

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



42.2827, 49.7435, 53.8273



41.4474, 38.4706, 41.3197

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.



51.9753, 49.7435, 47.3379



42.2827, 49.7435, 53.8273



51.8506, 49.7435, 62.2484

Square

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



42.2827, 49.7435, 53.8273



47.1626, 49.7435, 70.4073



52.6557, 49.7435, 54.4985



47.3970, 49.7435, 40.6304

Rectangle

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



42.2827, 49.7435, 53.8273



43.9395, 49.7435, 66.1038



52.6557, 49.7435, 54.4985



50.7850, 49.7435, 43.7531

Sweetspot

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



42.2841, 49.7456, 53.8284



87.0555, 94.7914, 103.2177



41.4334, 49.6278, 39.2945



18.9300, 20.6907, 22.5275



0.0000, 0.0000, 0.0000



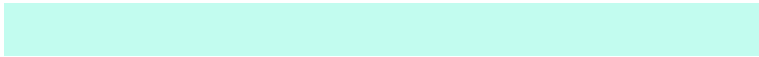
20.3446, 21.4041, 23.3091

Same Dimension

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



42.2841, 49.7456, 53.8284



72.8343, 87.6383, 94.5023



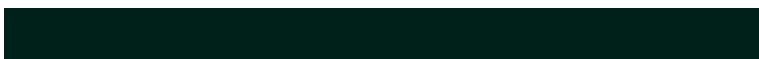
41.2103, 46.0176, 58.3424



10.2632, 11.3863, 12.3893



16.2335, 26.7874, 22.9203



0.7267, 1.1675, 1.1236

Inverse Universe

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



41.4474, 38.4706, 41.3197



71.0886, 64.0965, 68.3910



42.3205, 41.4925, 37.6775



10.1688, 10.1161, 10.9795



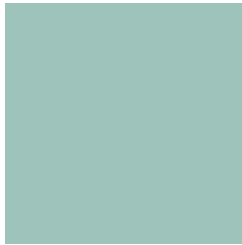
14.9783, 7.6811, 2.5318



0.6750, 0.3430, 0.2561

Previews

White Background



This preview shows how the XYZ color 42.2827, 49.7435, 53.8273 looks on a white background.

Color Contrast Check

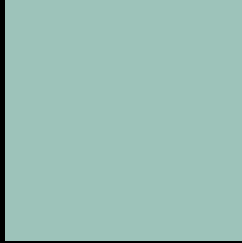
Large Text (above 18pt) WCAG AA × Fail

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 42.2827, 49.7435, 53.8273 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

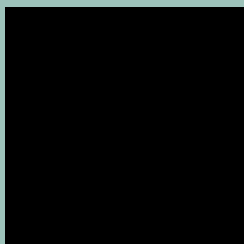
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

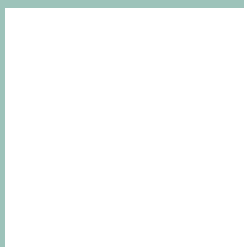
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.2827, 49.7435, 53.8273

Background



This preview shows how black text looks on a background with the XYZ color 42.2827, 49.7435, 53.8273.



This preview shows how white text looks on a background with the XYZ color 42.2827, 49.7435,

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

42.2827, 49.7435, 53.8273

Protanopia

47.3853, 49.5304, 50.7789

Deuteranopia

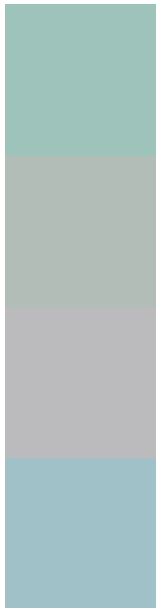
50.6110, 49.5592, 55.0425



Tritanopia

44.8101, 49.7813, 66.2785

Trichromacy



Original Color

42.2827, 49.7435, 53.8273

Protanomaly

45.3352, 49.3978, 51.9451

Deuteranomaly

47.1295, 49.3134, 54.6114

Tritanomaly

43.8760, 49.7370, 61.3205

Monochromacy



Original Color

42.2827, 49.7435, 53.8273

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

43.8776, 48.0000, 52.2997

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.2827, 49.7435, 53.8273 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, 195, 186)` looks like.

```
.text, #text, p{  
    color:rgb(157, 195, 186)  
}
```

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, 195, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 195, 186) }
```

Border

The CSS property to change the border of an element to XYZ 42.2827, 49.7435, 53.8273 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, 195, 186) }
```


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

```
.border{ border-color:rgb(157, 195, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 195, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 195, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 195, 186);  
box-shadow:4px 4px 4px 4px rgb(157, 195,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 42.2827, 49.7435, 53.8273 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 195, 186) }
```

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

```
.background{ background-color: rgb(157,  
195, 186) }
```

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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