

Converting Colors

XYZ(28.1486, 42.3613, 39.4557)

Have a look what the booklet for
XYZ(28.1486, 42.3613, 39.4557)
contains.

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Color

**XYZ(28.2223, 42.4645,
39.5099)**

Conversions

Conversions Part 1

Format	Color
Hex	48C29F
RGB	72, 194, 159
RGB Percent	28%, 76%, 62%
CMY	0.7176, 0.2392, 0.3765
CMYK	0.63, 0.00, 0.18, 0.24
HSL	163°, 50%, 52%
HSV	163°, 63%, 76%
XYZ	28.2223, 42.4645, 39.5099
YIQ	153.5320, -61.4770, -36.7490

Conversions

Conversions Part 2

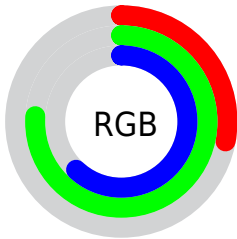
Format	Color
RYB	72, 143, 194
Decimal	4768415
CIELab	71.19, -42.25, 7.68
CIElCh	71, 42.940, 169.703
Yxy	42.4645, 0.2561, 0.3854
Android (android.graphics.Color)	4282958495 (0xFF48C29F)
YUV	153.5320, 2.6957, -71.5036
Hunter-Lab	65.1648, -36.7316, 9.6674

Details

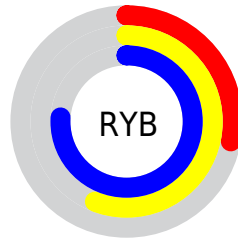
The XYZ color **28.2223, 42.4645, 39.5099** is a dark color, and the websafe version is hex **66CC99**. The color can be described as middle muted spring green. A complement of this color would be **27.2208, 17.1667, 15.7904**, and the grayscale version is **30.5192, 32.1086, 34.9662**.

A 20% lighter version of the original color is **56.1505, 78.7549, 75.8601**, and **11.9394, 19.5479, 17.3312** is the 20% darker color. If you saturate the color by 10%, you get **26.5258, 41.6456, 36.9663**, and if you desaturate by 10%, it is **30.3991, 43.5307, 42.1914**.

Distribution



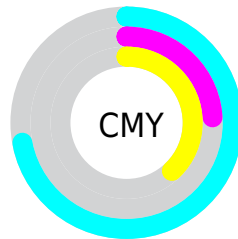
- Red (28%)
- Green (76%)
- Blue (62%)



- Red (28%)
- Yellow (56%)
- Blue (76%)



- Cyan (63%)
- Magenta (0%)
- Yellow (18%)
- Black (24%)





- Cyan (72%)
- Magenta (24%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.2223, 42.4645, 39.5099 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 28.2223, 42.4645, 39.5099 by changing the saturation by 10% instead.


 28.2223, 42.4645,
39.5099


 28.2223, 42.4645,
39.5099


285.5885,
356.4049, 359.5440


 18.6346, 29.4652,
26.8458


 56.2453, 78.9021,
75.6455


 11.5090, 19.4330,
17.2260


 75.4114, 103.1093,
99.9541


 6.4801, 11.9836,
10.2321


 98.5009, 131.8211,
128.9812

 3.1826, 6.7325,
5.4455

 125.8793,
165.4220, 163.1454

 1.2510, 3.2954,
2.4477

 157.9119,
204.2965, 202.8653

 0.1461, 1.2878,
0.8122

194.9641,

 0.0000, 0.1317,

248.8289, 248.5593

0.0000

237.4011,
299.4035, 300.6460

■ 0.0000, 0.0000,
0.0000

■ 28.2223, 42.4645,
39.5099

■ 28.2223, 42.4645,
39.5099

■ 26.5258, 41.6456,
36.9663

■ 30.3991, 43.5307,
42.1914

■ 25.2612, 41.0457,
34.5541

■ 33.0919, 44.8592,
45.0111

■ 24.3759, 40.6390,
32.2703

■ 36.3367, 46.4698,
47.9730

■ 23.9049, 40.4300,
30.7192

■ 40.1655, 48.3788,
51.0802

■ 44.6076, 50.6014,
54.3352

■ 49.6904, 53.1515,
57.7407

■ 55.4394, 56.0425,
61.2993

■ 61.8791, 59.2867,
65.0134

■ 69.0324, 62.8960,
68.8853

Harmonies

Analogous

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



30.7023, 42.4645, 25.0541



28.2223, 42.4645, 39.5099



28.6874, 42.4645, 60.9226

Triad

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



28.2223, 42.4645, 39.5099



45.2075, 42.4645, 94.4682



49.9862, 42.4645, 22.1228

Complementary

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



28.2223, 42.4645, 39.5099



27.2208, 17.1667, 15.7904

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.



54.8371, 42.4645, 34.1235



28.2223, 42.4645, 39.5099



51.8592, 42.4645, 76.8869

Square

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



28.2223, 42.4645, 39.5099



37.9385, 42.4645, 97.2019



55.5605, 42.4645, 53.6865



42.8850, 42.4645, 17.1830

Rectangle

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



28.2223, 42.4645, 39.5099



30.6256, 42.4645, 76.4464



55.5605, 42.4645, 53.6865



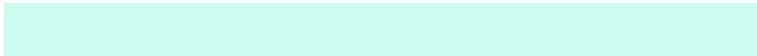
51.9681, 42.4645, 25.2637

Sweetspot

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



28.2235, 42.4662, 39.5109



75.5208, 89.0233, 94.6232



26.7204, 42.2791, 12.8840



16.0450, 19.2486, 20.3497



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.



28.2235, 42.4662, 39.5109



47.2169, 75.0474, 65.5010



26.7113, 33.8741, 56.1714



10.2413, 11.3776, 12.2742



15.7530, 26.5953, 20.3901



0.7092, 1.1605, 1.0312

Inverse Universe

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



27.2208, 17.1667, 15.7904



45.3283, 25.6416, 19.5239



27.6387, 20.3774, 8.6082



10.1894, 10.1244, 11.0878



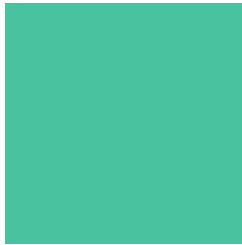
15.1224, 7.7387, 3.2908



0.6841, 0.3467, 0.3040

Previews

White Background



This preview shows how the XYZ color 28.2223, 42.4645, 39.5099 looks on a white background.

Color Contrast Check

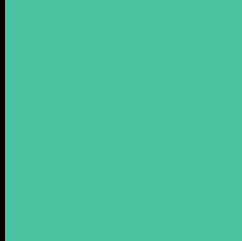
Large Text (above 18pt) WCAG AA × Fail

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 28.2223, 42.4645, 39.5099 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

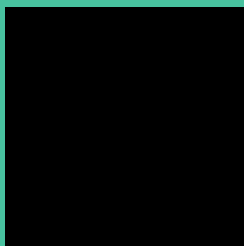
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

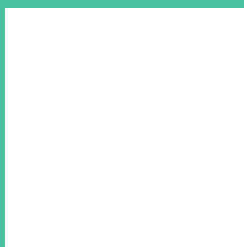
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.2223, 42.4645, 39.5099

Background



This preview shows how black text looks on a background with the XYZ color 28.2223, 42.4645, 39.5099.

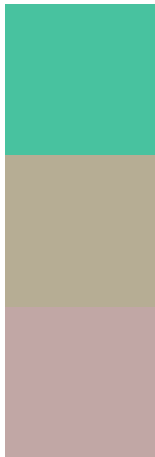


This preview shows how white text looks on a background with the XYZ color 28.2223, 42.4645,

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

28.2223, 42.4645, 39.5099

Protanopia

39.5803, 41.9703, 34.0320

Deuteranopia

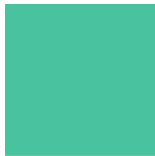
42.6026, 41.6915, 41.3992



Tritanopia

32.8825, 42.4021, 62.9512

Trichromacy



Original Color

28.2223, 42.4645, 39.5099



Protanomaly

33.3467, 41.0655, 35.8746



Deuteranomaly

34.7274, 40.4782, 40.6331



Tritanomaly

30.9504, 42.2538, 53.5382

Monochromacy



Original Color

28.2223, 42.4645, 39.5099



Achromatopsia

30.7148, 32.3143, 35.1903



Achromatomaly

28.5009, 35.0613, 36.7178

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.2223, 42.4645, 39.5099 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(72, 194, 159)` looks like.

```
.text, #text, p{  
    color:rgb(72, 194, 159)  
}
```

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(72, 194, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 194, 159) }
```

Border

The CSS property to change the border of an element to XYZ 28.2223, 42.4645, 39.5099 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(72, 194, 159) }
```


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

```
.border{ border-color:rgb(72, 194, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 194, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 194, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 194, 159);  
box-shadow:4px 4px 4px 4px rgb(72, 194,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 28.2223, 42.4645, 39.5099 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 194, 159) }
```

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

```
.background{ background-color: rgb(72, 194,  
159) }
```

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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