

Converting Colors

XYZ(42.1847, 44.9130, 29.3676)

Have a look what the booklet for
XYZ(42.1847, 44.9130, 29.3676)
contains.

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Color

**XYZ(42.2859, 44.9275,
29.3648)**

Conversions

Conversions Part 1

Format	Color
Hex	C1B287
RGB	193, 178, 135
RGB Percent	76%, 70%, 53%
CMY	0.2431, 0.3019, 0.4706
CMYK	0.00, 0.08, 0.30, 0.24
HSL	44°, 32%, 64%
HSV	44°, 30%, 76%
XYZ	42.2859, 44.9275, 29.3648
YIQ	177.5830, 22.7430, -10.1930

Conversions

Conversions Part 2

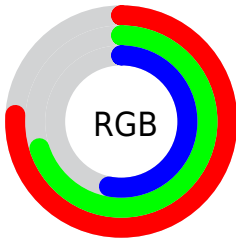
Format	Color
RYB	155, 193, 135
Decimal	12694151
CIELab	72.84, -1.25, 23.96
CIElCh	73, 23.995, 92.983
Yxy	44.9275, 0.3627, 0.3854
Android (android.graphics.Color)	4290884231 (0xFFC1B287)
YUV	177.5830, -20.9934, 13.5207
Hunter-Lab	67.0280, -4.6888, 20.9448

Details

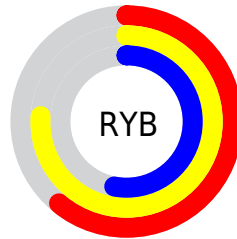
The XYZ color **42.2859, 44.9275, 29.3648** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **30.5235, 30.8130, 54.7910**, and the grayscale version is **42.1965, 44.3940, 48.3451**.

A 20% lighter version of the original color is **78.0325, 82.8438, 60.0218**, and **19.6208, 20.8121, 11.5773** is the 20% darker color. If you saturate the color by 10%, you get **40.0739, 42.4844, 22.5203**, and if you desaturate by 10%, it is **44.7827, 47.5455, 37.5206**.

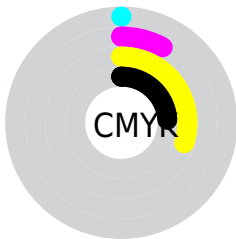
Distribution



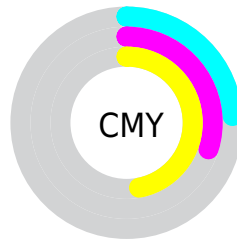
- Red (76%)
- Green (70%)
- Blue (53%)



- Red (61%)
- Yellow (76%)
- Blue (53%)



- Cyan (0%)
- Magenta (8%)
- Yellow (30%)
- Black (24%)



- Cyan (24%)
- Magenta (30%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.2859, 44.9275, 29.3648 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 42.2859, 44.9275, 29.3648 by changing the saturation by 10% instead.

■ 42.2859, 44.9275,
29.3648

■ 42.2859, 44.9275,
29.3648

346.6382,
366.4799, 313.0469

■ 29.5173, 31.4003,
19.1090

■ 77.8946, 82.6116,
59.7053

■ 19.6188, 20.9039,
11.5715

■ 101.4654,
107.5373, 80.6270

■ 12.2249, 13.0538,
6.3336

■ 129.3677,
137.0314, 105.9412

■ 6.9703, 7.4656,
2.9769

161.9667,
171.4781, 136.0663

■ 3.4897, 3.7549,
1.0829

199.6280,
211.2619, 171.4209

■ 1.4177, 1.5374,
0.0000

242.7167,

■ 0.2688, 0.3149,

256.7672, 212.4235

0.0000

291.5984,
308.3784, 259.4927

■ 0.0000, 0.0000,
0.0000

■ 42.2859, 44.9275,
29.3648

■ 42.2859, 44.9275,
29.3648

■ 40.0739, 42.4844,
22.5203

■ 44.7827, 47.5455,
37.5206

■ 38.1295, 40.2039,
16.9140

■ 47.5736, 50.3379,
47.0499

■ 36.4389, 38.0816,
12.4699

■ 50.6715, 53.3122,
58.0142

■ 34.9856, 36.1100,
9.1025

■ 54.0876, 56.4732,
70.4705

■ 33.7506, 34.2812,
6.7145

■ 57.8324, 59.8259,
84.4728

■ 32.7118, 32.5854,
5.1907

■ 61.9161, 63.3748,
100.0722

■ 31.8300, 31.0126,
4.3084

■ 63.8202, 66.1132,
104.0052

■ 65.0943, 68.6613,
104.4299

■ 66.4073, 71.2873,
104.8675

Harmonies

Analogous

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



46.4534, 44.9275, 31.1634



42.2859, 44.9275, 29.3648



38.4798, 44.9275, 32.0575

Triad

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



42.2859, 44.9275, 29.3648



36.3166, 44.9275, 62.5308



50.2599, 44.9275, 60.1220

Complementary

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



42.2859, 44.9275, 29.3648



30.5235, 30.8130, 54.7910

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.



47.2228, 44.9275, 70.8472



42.2859, 44.9275, 29.3648



39.1587, 44.9275, 72.3895

Square

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



42.2859, 44.9275, 29.3648



35.1772, 44.9275, 50.1245



43.1213, 44.9275, 75.6548



51.2305, 44.9275, 47.7319

Rectangle

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



42.2859, 44.9275, 29.3648



36.6083, 44.9275, 36.3421



43.1213, 44.9275, 75.6548



49.4375, 44.9275, 64.1053

Sweetspot

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



42.2871, 44.9295, 29.3657



85.6864, 90.6267, 85.9459



36.1994, 30.8830, 33.1052



18.2164, 19.2797, 17.8596



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



42.2871, 44.9295, 29.3657



73.0988, 77.5828, 44.3506



42.1419, 49.5289, 30.2611



10.6859, 11.3032, 10.6804



21.2379, 20.7616, 2.8880



0.9707, 1.0032, 0.1425

Inverse Universe

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



30.5235, 30.8130, 54.7910



48.6980, 48.3107, 97.1185



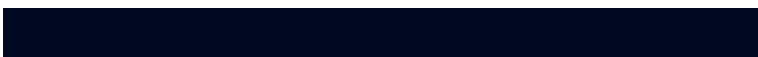
30.5995, 27.5245, 54.1523



9.7353, 10.1620, 12.7332



7.2138, 4.1841, 33.9840



0.3696, 0.2967, 1.4877

Previews

White Background



This preview shows how the XYZ color 42.2859, 44.9275, 29.3648 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 42.2859, 44.9275, 29.3648 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

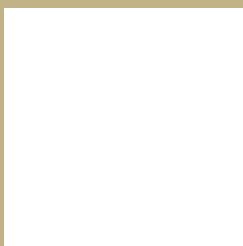
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.2859, 44.9275, 29.3648

Background



This preview shows how black text looks on a background with the XYZ color 42.2859, 44.9275, 29.3648.

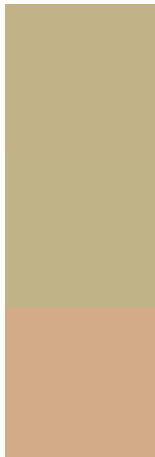


This preview shows how white text looks on a background with the XYZ color 42.2859, 44.9275,

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

42.2859, 44.9275, 29.3648

Protanopia

41.9791, 45.0658, 29.4077

Deuteranopia

45.7748, 44.9843, 29.5628



Tritanopia

46.8731, 44.7707, 52.0701

Trichromacy



Original Color

42.2859, 44.9275, 29.3648

Protanomaly

42.2315, 45.1959, 29.4195

Deuteranomaly

44.4818, 44.8870, 29.6122

Tritanomaly

45.1371, 44.9324, 42.8531

Monochromacy



Original Color

42.2859, 44.9275, 29.3648

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

41.9704, 44.5167, 40.5629

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.2859, 44.9275, 29.3648 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(193, 178, 135)` looks like.

```
.text, #text, p{  
    color:rgb(193, 178, 135)  
}
```

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(193, 178, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 178, 135) }
```

Border

The CSS property to change the border of an element to XYZ 42.2859, 44.9275, 29.3648 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(193, 178, 135) }
```


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

```
.border{ border-color:rgb(193, 178, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 178, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 178, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 178, 135);  
box-shadow:4px 4px 4px 4px rgb(193, 178,  
135) }
```

Background

The CSS property to change the background color of an element to XYZ 42.2859, 44.9275, 29.3648 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 178, 135) }
```

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

```
.background{ background-color: rgb(193,  
178, 135) }
```

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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