

Converting Colors

XYZ(33.9857, 49.8193, 28.9439)

Have a look what the booklet for
XYZ(33.9857, 49.8193, 28.9439)
contains.

| | |
|--|----|
| XYZ(33.9857, 49.8193, 28.9439) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 28 |
| <i>CSS Examples</i> | 31 |

Color

**XYZ(33.9857, 49.8193,
28.9439)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 79CE82 |
| RGB | 121, 206, 130 |
| RGB Percent | 47%, 81%, 51% |
| CMY | 0.5255, 0.1921, 0.4902 |
| CMYK | 0.41, 0.00, 0.37, 0.19 |
| HSL | 126°, 46%, 64% |
| HSV | 126°, 41%, 81% |
| XYZ | 33.9857, 49.8193, 28.9439 |
| YIQ | 171.9210, -26.2640, -41.6560 |

Conversions

Conversions Part 2

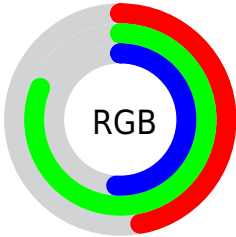
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 121, 198, 206 |
| Decimal | 7982722 |
| CIELab | 75.96, -41.49, 29.95 |
| CIELCh | 76, 51.168, 144.171 |
| Yxy | 49.8193, 0.3014, 0.4419 |
| Android (android.graphics.Color) | 4286172802 (0xFF79CE82) |
| YUV | 171.9210, -20.6671, -44.6577 |
| Hunter-Lab | 70.5828, -37.5719, 25.0949 |

Details

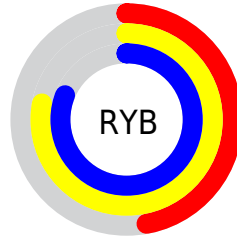
The XYZ color **33.9857, 49.8193, 28.9439** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **42.3706, 30.8287, 56.5424**, and the grayscale version is **39.2845, 41.3304, 45.0088**.

A 20% lighter version of the original color is **62.5432, 84.3278, 58.3279**, and **14.7613, 23.8707, 11.4189** is the 20% darker color. If you saturate the color by 10%, you get **30.2737, 48.0374, 22.8844**, and if you desaturate by 10%, it is **38.5380, 52.0117, 36.2001**.

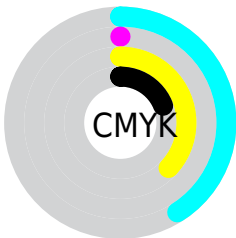
Distribution



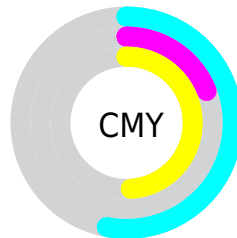
- Red (47%)
- Green (81%)
- Blue (51%)



- Red (47%)
- Yellow (78%)
- Blue (81%)



- Cyan (41%)
- Magenta (0%)
- Yellow (37%)
- Black (19%)





- Cyan (53%)
- Magenta (19%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.9857, 49.8193, 28.9439 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 33.9857, 49.8193, 28.9439 by changing the saturation by 10% instead.


 33.9857, 49.8193,
28.9439


 33.9857, 49.8193,
28.9439


311.6553,
385.9589, 311.0028


 23.0455, 35.2698,
18.7932


 65.2559, 89.9071,
59.0291

 14.7480, 23.8708,
11.3456


 86.3165, 116.2142,
79.8006

 8.7278, 15.2378,
6.1827


 111.4813,
147.2093, 104.9494

 4.6198, 8.9865,
2.8859

141.1156,
183.2769, 134.8942

 2.0584, 4.7324,
1.0367

175.5848,
224.8012, 170.0534

 0.6664, 2.0911,
0.0000

215.2543,

 0.0000, 0.6596,

272.1667, 210.8455

0.0000

260.4893,
325.7578, 257.6891

■ 0.0000, 0.0000,
0.0000

■ 33.9857, 49.8193,
28.9439

■ 33.9857, 49.8193,
28.9439

■ 30.2737, 48.0374,
22.8844

■ 38.5380, 52.0117,
36.2001

■ 27.3468, 46.6346,
17.9542

■ 43.9738, 54.6312,
44.7089

■ 25.1491, 45.5851,
14.0843


■ 50.3380, 57.7014,
54.5268


■ 23.6157, 44.8569,
11.1969


■ 57.6711, 61.2419,
65.7057

■ 22.6701, 44.4126,
9.2035

■ 66.0114, 65.2715,
78.2948

 22.2153, 44.2018,
8.1107

 75.3951, 69.8078,
92.3409

 81.3623, 72.6246,
104.3374

Harmonies

Analogous

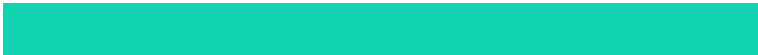
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



40.2330, 49.8193, 19.0534



33.9857, 49.8193, 28.9439



31.3511, 49.8193, 49.0838

Triad

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



33.9857, 49.8193, 28.9439



45.5136, 49.8193, 125.0616



66.1298, 49.8193, 35.4569

Complementary

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



33.9857, 49.8193, 28.9439



42.3706, 30.8287, 56.5424

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.



68.0381, 49.8193, 59.7554



33.9857, 49.8193, 28.9439



55.2643, 49.8193, 117.6513

Square

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



33.9857, 49.8193, 28.9439



37.4079, 49.8193, 108.9384



63.8300, 49.8193, 91.1612



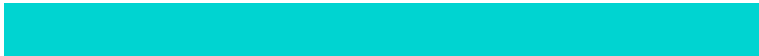
58.9179, 49.8193, 21.8340

Rectangle

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



33.9857, 49.8193, 28.9439



31.7043, 49.8193, 68.1447



63.8300, 49.8193, 91.1612



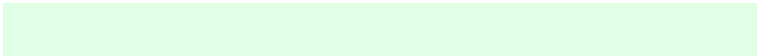
67.4500, 49.8193, 42.3765

Sweetspot

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



33.9870, 49.8214, 28.9450



80.5783, 93.0128, 86.8436



48.6817, 57.4636, 26.6152



16.9401, 19.7604, 18.1167



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.



33.9870, 49.8214, 28.9450



49.3949, 77.9936, 37.6508



37.4042, 51.1883, 46.9400



11.1155, 12.5560, 12.1658



13.6964, 27.2238, 5.0861



0.7233, 1.4111, 0.3506

Inverse Universe

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



42.3706, 30.8287, 56.5424



64.8459, 42.9489, 88.4822



38.2088, 29.1639, 34.6266



11.6344, 11.3825, 13.8752



21.0345, 10.2244, 28.9641



1.1002, 0.5335, 1.5735

Previews

White Background



This preview shows how the XYZ color 33.9857, 49.8193, 28.9439 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 33.9857, 49.8193, 28.9439 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 33.9857, 49.8193, 28.9439

Background



This preview shows how black text looks on a background with the XYZ color 33.9857, 49.8193, 28.9439.



This preview shows how white text looks on a background with the XYZ color 33.9857, 49.8193,

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

33.9857, 49.8193, 28.9439

Protanopia

45.4289, 49.0795, 25.4913

Deuteranopia

49.8795, 48.8340, 30.0895



Tritanopia

42.1048, 49.6366, 69.6490

Trichromacy



Original Color

33.9857, 49.8193, 28.9439



Protanomaly

40.0052, 48.5048, 26.6559



Deuteranomaly

42.0535, 47.8780, 29.5792



Tritanomaly

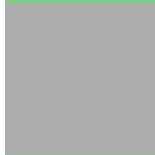
38.6135, 49.5915, 51.7929

Monochromacy



Original Color

33.9857, 49.8193, 28.9439



Achromatopsia

39.2122, 41.2543, 44.9259



Achromatomaly

36.3632, 43.4876, 38.3757

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9857, 49.8193, 28.9439 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(121, 206, 130)` looks like.

```
.text, #text, p{  
    color:rgb(121, 206, 130)  
}
```

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(121, 206, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 206, 130) }
```

Border

The CSS property to change the border of an element to XYZ 33.9857, 49.8193, 28.9439 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(121, 206, 130) }
```


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

```
.border{ border-color:rgb(121, 206, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 206, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 206, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 206, 130);  
box-shadow:4px 4px 4px 4px rgb(121, 206,  
130) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9857, 49.8193, 28.9439 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 206, 130) }
```

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

```
.background{ background-color: rgb(121,  
206, 130) }
```

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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