

Converting Colors

XYZ(33.9799, 41.8525, 28.8417)

Have a look what the booklet for
XYZ(33.9799, 41.8525, 28.8417)
contains.

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Color

**XYZ(33.9799, 41.8525,
28.8417)**

Conversions

Conversions Part 1

Format	Color
Hex	98B686
RGB	152, 182, 134
RGB Percent	60%, 71%, 53%
CMY	0.4039, 0.2863, 0.4745
CMYK	0.16, 0.00, 0.26, 0.29
HSL	98°, 25%, 62%
HSV	98°, 26%, 71%
XYZ	33.9799, 41.8525, 28.8417
YIQ	167.5580, -2.4720, -21.2880

Conversions

Conversions Part 2

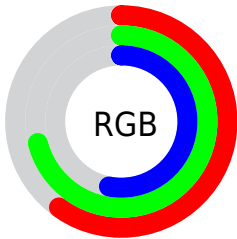
Format	Color
RYB	134, 182, 164
Decimal	10008198
CIELab	70.77, -19.14, 21.16
CIELCh	71, 28.529, 132.133
Yxy	41.8525, 0.3246, 0.3998
Android (android.graphics.Color)	4288198278 (0xFF98B686)
YUV	167.5580, -16.5441, -13.6444
Hunter-Lab	64.6935, -19.4575, 18.8528

Details

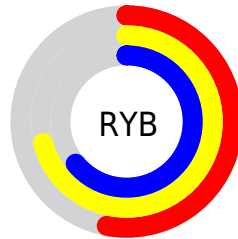
The XYZ color **33.9799, 41.8525, 28.8417** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **32.2802, 28.3213, 48.0234**, and the grayscale version is **37.0831, 39.0143, 42.4865**.

A 20% lighter version of the original color is **65.2763, 78.0023, 58.6292**, and **14.7060, 19.0499, 11.2894** is the 20% darker color. If you saturate the color by 10%, you get **30.7904, 40.3438, 22.6268**, and if you desaturate by 10%, it is **37.5944, 43.5576, 36.2187**.

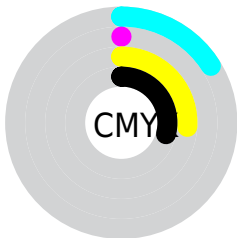
Distribution



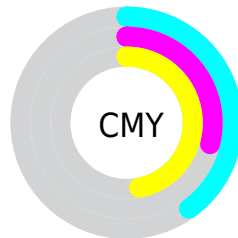
- Red (60%)
- Green (71%)
- Blue (53%)



- Red (53%)
- Yellow (71%)
- Blue (64%)



- Cyan (16%)
- Magenta (0%)
- Yellow (26%)
- Black (29%)





- Cyan (40%)
- Magenta (29%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.9799, 41.8525, 28.8417 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 33.9799, 41.8525, 28.8417 by changing the saturation by 10% instead.


 33.9799, 41.8525,
28.8417


 33.9799, 41.8525,
28.8417


311.6299,
353.8711, 310.5048


 23.0410, 28.9858,
18.7166


 65.2469, 77.9763,
58.8647

 14.7446, 19.0701,
11.2909

 86.3057, 102.0023,
79.5996

 8.7255, 11.7209,
6.1462


 111.4685,
130.5168, 104.7081

 4.6182, 6.5540,
2.8640

141.1006,
163.9042, 134.6089

 2.0575, 3.1847,
1.0256

175.5675,
202.5489, 169.7204

 0.6659, 1.2289,
0.0000

215.2344,

 0.0000, 0.0851,

246.8354, 210.4612

0.0000

260.4668,
297.1480, 257.2499

■ 0.0000, 0.0000,
0.0000

■ 33.9799, 41.8525,
28.8417

■ 33.9799, 41.8525,
28.8417

■ 30.7904, 40.3438,
22.6268

■ 37.5944, 43.5576,
36.2187

■ 28.0056, 39.0185,
17.5120

■ 41.6464, 45.4605,
44.8100

■ 25.6086, 37.8706,
13.4338

■ 46.1520, 47.5697,
54.6679

■ 23.5795, 36.8913,
10.3212

■ 51.1256, 49.8915,
65.8410

■ 21.8967, 36.0713,
8.0939

■ 56.5807, 52.4320,
78.3752

■ 20.5354, 35.3999,
6.6589

■ 62.5303, 55.1967,
92.3142

■ 19.4650, 34.8639,
5.8930

■ 67.9384, 57.7720,
102.1781

■ 19.1297, 34.6953,
5.6886

■ 71.7440, 59.7339,
102.3562

■ 75.7929, 61.8211,
102.5457

Harmonies

Analogous

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



37.8968, 41.8525, 24.5386



33.9799, 41.8525, 28.8417



31.7293, 41.8525, 38.0302

Triad

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



33.9799, 41.8525, 28.8417



37.0514, 41.8525, 75.1597



49.3596, 41.8525, 40.3076

Complementary

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



33.9799, 41.8525, 28.8417



32.2802, 28.3213, 48.0234

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.



49.0879, 41.8525, 54.0463



33.9799, 41.8525, 28.8417



41.7236, 41.8525, 76.1060

Square

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



33.9799, 41.8525, 28.8417



33.4034, 41.8525, 65.3926



46.2042, 41.8525, 67.7673



46.9195, 41.8525, 30.2228

Rectangle

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



33.9799, 41.8525, 28.8417



31.3585, 41.8525, 46.5473



46.2042, 41.8525, 67.7673



49.5874, 41.8525, 44.6070

Sweetspot

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



33.9810, 41.8543, 28.8426



74.1482, 81.7810, 78.3291



36.8001, 38.0760, 27.9647



16.1259, 17.9451, 16.7635



88.6918, 93.3107, 101.6153



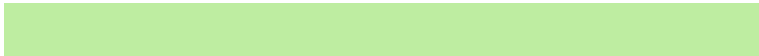
17.8044, 18.7317, 20.3988

Same Dimension

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



33.9810, 41.8543, 28.8426



57.9483, 74.1484, 45.0974



31.2649, 40.4078, 30.8090



9.2000, 10.2197, 9.5946



13.5769, 24.5355, 4.0202



0.5482, 0.9008, 0.1450

Inverse Universe

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



32.2802, 28.3213, 48.0234



54.3071, 45.2155, 86.1009



35.6942, 30.1469, 45.2217



9.0458, 8.9900, 11.3379



10.9165, 4.9389, 31.6310



0.4510, 0.2082, 1.1182

Previews

White Background



This preview shows how the XYZ color 33.9799, 41.8525, 28.8417 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 33.9799, 41.8525, 28.8417 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

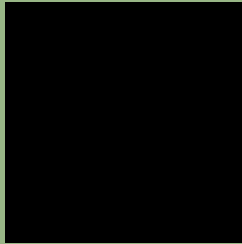
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.9799, 41.8525, 28.8417

Background



This preview shows how black text looks on a background with the XYZ color 33.9799, 41.8525, 28.8417.



This preview shows how white text looks on a background with the XYZ color 33.9799, 41.8525,

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

33.9799, 41.8525, 28.8417

Protanopia

38.9804, 41.8131, 27.1353

Deuteranopia

42.2390, 41.4961, 29.4502



Tritanopia

39.0125, 41.8077, 54.1576

Trichromacy



Original Color

33.9799, 41.8525, 28.8417

Protanomaly

36.8556, 41.5736, 27.5547

Deuteranomaly

38.7249, 41.3499, 29.2329

Tritanomaly

36.9865, 41.8735, 43.6691

Monochromacy



Original Color

33.9799, 41.8525, 28.8417

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

35.8446, 39.9688, 37.2780

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9799, 41.8525, 28.8417 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(152, 182, 134)` looks like.

```
.text, #text, p{  
    color:rgb(152, 182, 134)  
}
```

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(152, 182, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 182, 134) }
```

Border

The CSS property to change the border of an element to XYZ 33.9799, 41.8525, 28.8417 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(152, 182, 134) }
```


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

```
.border{ border-color:rgb(152, 182, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 182, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 182, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 182, 134);  
box-shadow:4px 4px 4px 4px rgb(152, 182,  
134) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9799, 41.8525, 28.8417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 182, 134) }
```

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

```
.background{ background-color: rgb(152,  
182, 134) }
```

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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