

Converting Colors

XYZ(33.9857, 33.4752, 26.1428)

Have a look what the booklet for
XYZ(33.9857, 33.4752, 26.1428)
contains.

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Color

**XYZ(33.9857, 33.4752,
26.1428)**

Conversions

Conversions Part 1

Format	Color
Hex	B49783
RGB	180, 151, 131
RGB Percent	71%, 59%, 51%
CMY	0.2941, 0.4078, 0.4863
CMYK	0.00, 0.16, 0.27, 0.29
HSL	24°, 25%, 61%
HSV	24°, 27%, 71%
XYZ	33.9857, 33.4752, 26.1428
YIQ	157.3910, 23.7040, -0.0720

Conversions

Conversions Part 2

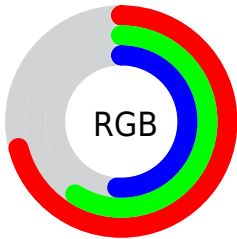
Format	Color
RYB	180, 165, 131
Decimal	11835267
CIELab	64.54, 7.71, 14.56
CIELCh	65, 16.479, 62.087
Yxy	33.4752, 0.3631, 0.3576
Android (android.graphics.Color)	4290025347 (0xFFB49783)
YUV	157.3910, -13.0108, 19.8281
Hunter-Lab	57.8578, 3.6000, 13.7105

Details

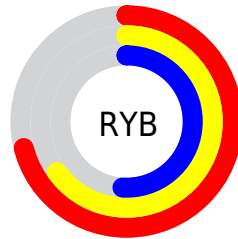
The XYZ color **33.9857, 33.4752, 26.1428** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **30.1687, 33.2611, 48.0101**, and the grayscale version is **32.2740, 33.9548, 36.9768**.

A 20% lighter version of the original color is **65.0751, 64.9562, 54.4554**, and **14.6843, 14.1592, 9.9417** is the 20% darker color. If you saturate the color by 10%, you get **31.2329, 29.7551, 19.7203**, and if you desaturate by 10%, it is **37.1072, 37.5930, 33.7347**.

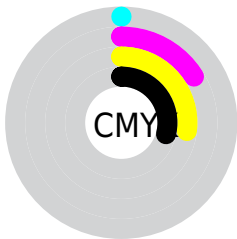
Distribution



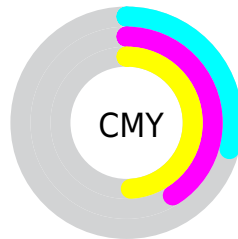
- Red (71%)
- Green (59%)
- Blue (51%)



- Red (71%)
- Yellow (65%)
- Blue (51%)



- Cyan (0%)
- Magenta (16%)
- Yellow (27%)
- Black (29%)





- Cyan (29%)
- Magenta (41%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.9857, 33.4752, 26.1428 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, 33.4752, 26.1428 by changing the saturation by 10% instead.


 33.9857, 33.4752,
26.1428


 33.9857, 33.4752,
26.1428


311.6553,
317.7856, 297.1101


 23.0455, 22.4907,
16.7038


 65.2559, 65.1167,
54.4921

 14.7480, 14.2179,
9.8638


 86.3165, 86.5426,
74.2395

 8.7278, 8.2724,
5.2043


 111.4813,
112.2177, 98.2601

 4.6198, 4.2697,
2.3068

141.1156,
142.5264, 126.9725

 2.0584, 1.8256,
0.7350

175.5848,
177.8532, 160.7951

 0.6664, 0.5030,
0.0000

215.2543,

 0.0000, 0.0000,

218.5823, 200.1466

0.0000

260.4893,
265.0984, 245.4454

■ 33.9857, 33.4752,
26.1428

■ 33.9857, 33.4752,
26.1428

■ 31.2329, 29.7551,
19.7203

■ 37.1072, 37.5930,
33.7347

■ 28.8310, 26.4155,
14.4059

■ 40.6088, 42.1158,
42.5486

■ 26.7648, 23.4446,
10.1360

■ 44.5046, 47.0564,
52.6367

■ 25.0165, 20.8284,
6.8396

■ 48.8074, 52.4259,
64.0474

■ 23.5667, 18.5514,
4.4366

■ 53.5291, 58.2346,
76.8266

■ 22.3930, 16.5969,
2.8340

■ 58.6812, 64.4927,
91.0178

■ 21.4649, 14.9444,
1.8968

■ 63.9509, 71.0803,
104.9570

■ 21.2369, 14.5322,
1.6857

■ 66.9306, 77.0397,
105.9503

■ 70.0933, 83.3650,
107.0045

Harmonies

Analogous

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



35.8124, 33.4752, 29.9813



33.9857, 33.4752, 26.1428



31.6525, 33.4752, 24.9584

Triad

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



33.9857, 33.4752, 26.1428



27.5007, 33.4752, 36.9233



34.2852, 33.4752, 48.5851

Complementary

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



33.9857, 33.4752, 26.1428



30.1687, 33.2611, 48.0101

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.



31.9824, 33.4752, 51.0148



33.9857, 33.4752, 26.1428



28.1307, 33.4752, 43.7854

Square

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



33.9857, 33.4752, 26.1428



27.9790, 33.4752, 30.7055



29.7429, 33.4752, 49.1596



35.9912, 33.4752, 42.8670

Rectangle

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



33.9857, 33.4752, 26.1428



30.1438, 33.4752, 25.6987



29.7429, 33.4752, 49.1596



33.5514, 33.4752, 49.8432

Sweetspot

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



33.9866, 33.4767, 26.1435



73.0218, 75.5830, 75.5922



33.3191, 28.4883, 37.1844



15.5704, 16.0638, 15.7987



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



33.9866, 33.4767, 26.1435



58.3823, 56.3385, 39.7772



38.2687, 42.0410, 27.5709



8.7718, 9.0560, 8.9382



14.8847, 10.2679, 1.1974



0.5264, 0.4391, 0.0570

Inverse Universe

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



30.1687, 33.2611, 48.0101



50.2325, 55.8708, 86.4312



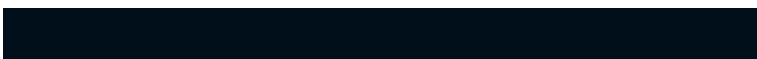
26.3887, 25.7011, 46.7501



8.4459, 9.0380, 10.8057



9.4516, 9.7035, 31.5118



0.3530, 0.4166, 1.0100

Previews

White Background



This preview shows how the XYZ color 33.9857, 33.4752, 26.1428 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, 33.4752, 26.1428 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

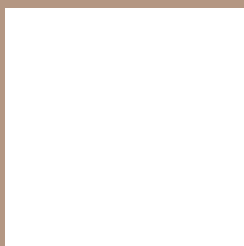
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.9857, 33.4752, 26.1428

Background



This preview shows how black text looks on a background with the XYZ color 33.9857, 33.4752, 26.1428.



This preview shows how white text looks on a background with the XYZ color 33.9857, 33.4752,

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, 33.4752, 26.1428

Protanopia

31.7086, 33.4975, 27.3487

Deuteranopia

34.2194, 33.5957, 26.1538



Tritanopia

36.1337, 33.4033, 36.8908

Trichromacy



Original Color

33.9857, 33.4752, 26.1428

Protanomaly

32.3668, 33.3507, 26.9217

Deuteranomaly

34.2194, 33.5957, 26.1538

Tritanomaly

35.2266, 33.2630, 32.5807

Monochromacy



Original Color

33.9857, 33.4752, 26.1428

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

32.5837, 33.5801, 32.7812

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9857, 33.4752, 26.1428 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(180, 151, 131)` looks like.

```
.text, #text, p{  
    color:rgb(180, 151, 131)  
}
```

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(180, 151, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 151, 131) }
```

Border

The CSS property to change the border of an element to XYZ 33.9857, 33.4752, 26.1428 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(180, 151, 131) }
```


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

```
.border{ border-color:rgb(180, 151, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 151, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 151, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 151, 131);  
box-shadow:4px 4px 4px 4px rgb(180, 151,  
131) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9857, 33.4752, 26.1428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 151, 131) }
```

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

```
.background{ background-color: rgb(180,  
151, 131) }
```

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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