

Converting Colors

XYZ(33.2559, 32.6705, 13.3574)

Have a look what the booklet for
XYZ(33.2559, 32.6705, 13.3574)
contains.

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Color

**XYZ(33.2559, 32.6705,
13.3574)**

Conversions

Conversions Part 1

Format	Color
Hex	BD9456
RGB	189, 148, 86
RGB Percent	74%, 58%, 34%
CMY	0.2588, 0.4196, 0.6627
CMYK	0.00, 0.22, 0.54, 0.26
HSL	36°, 44%, 54%
HSV	36°, 54%, 74%
XYZ	33.2559, 32.6705, 13.3574
YIQ	153.1910, 44.3380, -10.5900

Conversions

Conversions Part 2

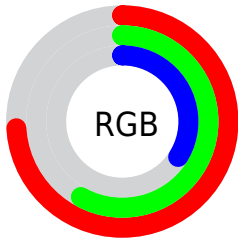
Format	Color
RYB	154, 189, 86
Decimal	12424278
CIELab	63.89, 7.96, 38.37
CIELCh	64, 39.187, 78.280
Yxy	32.6705, 0.4195, 0.4121
Android (android.graphics.Color)	4290614358 (0xFFBD9456)
YUV	153.1910, -33.1252, 31.4045
Hunter-Lab	57.1581, 3.8287, 26.1551

Details

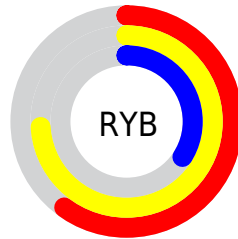
The XYZ color **33.2559, 32.6705, 13.3574** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **20.6122, 20.8305, 51.0783**, and the grayscale version is **30.4885, 32.0762, 34.9310**.

A 20% lighter version of the original color is **63.9937, 63.8214, 32.6128**, and **14.3904, 13.8619, 3.7509** is the 20% darker color. If you saturate the color by 10%, you get **31.4511, 30.1227, 9.4829**, and if you desaturate by 10%, it is **35.3403, 35.4553, 18.3191**.

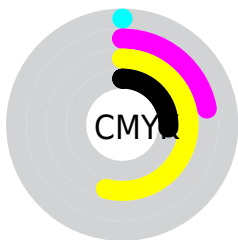
Distribution



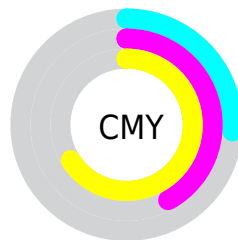
- Red (74%)
- Green (58%)
- Blue (34%)



- Red (60%)
- Yellow (74%)
- Blue (34%)



- Cyan (0%)
- Magenta (22%)
- Yellow (54%)
- Black (26%)





- Cyan (26%)
- Magenta (42%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.2559, 32.6705, 13.3574 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 33.2559, 32.6705, 13.3574 by changing the saturation by 10% instead.


 33.2559, 32.6705,
13.3574


 33.2559, 32.6705,
13.3574


308.4459,
314.1624, 224.4833

 22.4827, 21.8741,
7.5415


 64.1269, 63.8608,
32.6449

 14.3306, 13.7645,
3.7195


 84.9553, 85.0234,
46.9537


 8.4342, 7.9570,
1.4727


 109.8663,
110.4104, 64.9304

 4.4282, 4.0675,
0.1975

 139.2251,
140.4059, 86.9937

 1.9471, 1.7114,
0.0000

 173.3971,
175.3945, 113.5621

 0.6040, 0.4310,
0.0000

212.7477,

 0.0000, 0.0000,

215.7605, 145.0542

0.0000

257.6422,
261.8883, 181.8884

■ 33.2559, 32.6705,
13.3574

■ 33.2559, 32.6705,
13.3574

■ 31.4511, 30.1227,
9.4829

■ 35.3403, 35.4553,
18.3191

■ 29.9059, 27.7980,
6.6075

■ 37.7178, 38.4811,
24.4428

■ 28.6009, 25.6872,
4.6328

■ 40.4039, 41.7575,
31.7989

■ 27.5116, 23.7784,
3.4384

■ 43.4117, 45.2919,
40.4513

■ 26.9781, 22.8027,
2.9795

■ 46.7541, 49.0914,
50.4599

■ 50.4427, 53.1628,
61.8806

■ 54.4887, 57.5126,
74.7661

■ 58.9028, 62.1470,
89.1665

■ 63.5172, 67.0007,
104.1925

Harmonies

Analogous

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



38.6549, 32.6705, 17.3831



33.2559, 32.6705, 13.3574



27.8446, 32.6705, 13.8308

Triad

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



33.2559, 32.6705, 13.3574



22.0349, 32.6705, 45.9702



39.6559, 32.6705, 59.8437

Complementary

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



33.2559, 32.6705, 13.3574



20.6122, 20.8305, 51.0783

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.



34.4974, 32.6705, 72.8891



33.2559, 32.6705, 13.3574



24.5183, 32.6705, 63.3858

Square

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



33.2559, 32.6705, 13.3574



21.7861, 32.6705, 29.7550



28.9483, 32.6705, 74.3492



42.6316, 32.6705, 42.1031

Rectangle

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



33.2559, 32.6705, 13.3574



24.9372, 32.6705, 16.6663



28.9483, 32.6705, 74.3492



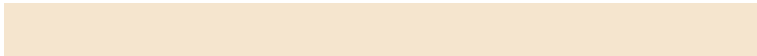
38.0934, 32.6705, 65.1237

Sweetspot

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



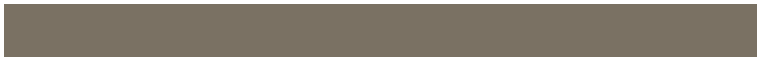
33.2567, 32.6721, 13.3580



76.7600, 79.9701, 69.5485



28.1580, 19.0122, 22.3331



16.2630, 16.9128, 14.2479



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



33.2567, 32.6721, 13.3580



55.8724, 53.2815, 16.0762



38.3985, 46.6150, 15.7783



9.9949, 10.4658, 10.0700



18.2281, 15.4950, 2.0301



0.7763, 0.7315, 0.1003

Inverse Universe

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



20.6122, 20.8305, 51.0783



31.0087, 30.0424, 90.3906



17.3689, 12.8332, 49.7056



9.3197, 9.8318, 12.0787



7.9536, 6.0189, 33.1355



0.3757, 0.3641, 1.3193

Previews

White Background



This preview shows how the XYZ color 33.2559, 32.6705, 13.3574 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 33.2559, 32.6705, 13.3574 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 33.2559, 32.6705, 13.3574

Background



This preview shows how black text looks on a background with the XYZ color 33.2559, 32.6705, 13.3574.



This preview shows how white text looks on a background with the XYZ color 33.2559, 32.6705,

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

33.2559, 32.6705, 13.3574

Protanopia

30.1021, 32.7100, 14.1783

Deuteranopia

33.2559, 32.6705, 13.3574



Tritanopia

37.4697, 32.5926, 33.5943

Trichromacy



Original Color

33.2559, 32.6705, 13.3574

Protanomaly

31.1211, 32.5082, 13.8670

Deuteranomaly

33.2559, 32.6705, 13.3574

Tritanomaly

35.6455, 32.5147, 24.4759

Monochromacy



Original Color

33.2559, 32.6705, 13.3574

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

30.7549, 31.8252, 25.2908

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2559, 32.6705, 13.3574 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(189, 148, 86)` looks like.

```
.text, #text, p{  
    color:rgb(189, 148, 86)  
}
```

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(189, 148, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 148, 86) }
```

Border

The CSS property to change the border of an element to XYZ 33.2559, 32.6705, 13.3574 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(189, 148, 86) }
```


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

```
.border{ border-color:rgb(189, 148, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 148, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 148, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 148, 86);  
box-shadow:4px 4px 4px 4px rgb(189, 148,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2559, 32.6705, 13.3574 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 148, 86) }
```

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

```
.background{ background-color: rgb(189,  
148, 86) }
```

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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