

Converting Colors

XYZ(33.0265, 33.2456, 16.3596)

Have a look what the booklet for
XYZ(33.0265, 33.2456, 16.3596)
contains.

XYZ(33.0859, 33.2244, 16.4735)	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(33.0859, 33.2244,
16.4735)**

Conversions

Conversions Part 1

Format	Color
Hex	B89763
RGB	184, 151, 99
RGB Percent	72%, 59%, 39%
CMY	0.2784, 0.4078, 0.6118
CMYK	0.00, 0.18, 0.46, 0.28
HSL	37°, 37%, 55%
HSV	37°, 46%, 72%
XYZ	33.0859, 33.2244, 16.4735
YIQ	154.9390, 36.3600, -9.1760

Conversions

Conversions Part 2

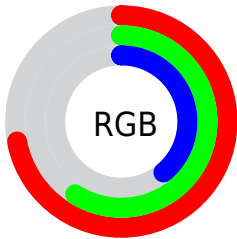
Format	Color
RYB	153, 184, 99
Decimal	12097379
CIELab	64.34, 5.42, 31.95
CIELCh	64, 32.407, 80.366
Yxy	33.2244, 0.3997, 0.4013
Android (android.graphics.Color)	4290287459 (0xFFB89763)
YUV	154.9390, -27.5779, 25.4865
Hunter-Lab	57.6406, 1.5885, 23.4035

Details

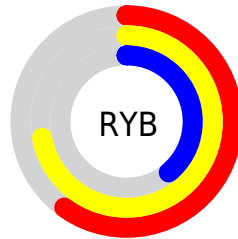
The XYZ color **33.0859, 33.2244, 16.4735** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **22.0483, 22.6150, 48.5504**, and the grayscale version is **31.2363, 32.8630, 35.7878**.

A 20% lighter version of the original color is **64.0352, 64.7743, 38.4058**, and **14.2080, 14.0205, 5.0894** is the 20% darker color. If you saturate the color by 10%, you get **31.1898, 30.6832, 11.9851**, and if you desaturate by 10%, it is **35.2537, 35.9882, 22.0420**.

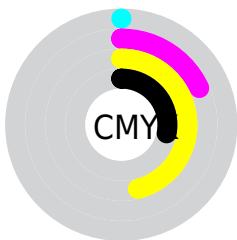
Distribution



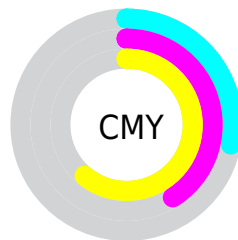
- Red (72%)
- Green (59%)
- Blue (39%)



- Red (60%)
- Yellow (72%)
- Blue (39%)



- Cyan (0%)
- Magenta (18%)
- Yellow (46%)
- Black (28%)





- Cyan (28%)
- Magenta (41%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.0859, 33.2244, 16.4735 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 33.0859, 33.2244, 16.4735 by changing the saturation by 10% instead.


 33.0859, 33.2244,
16.4735


 33.0859, 33.2244,
16.4735


307.6948,
316.6597, 244.0601

 22.3518, 22.2984,
9.7019


 63.8634, 64.7257,
38.1965

 14.2337, 14.0763,
5.0987


 84.6375, 86.0698,
53.9849

 8.3662, 8.1738,
2.2456


 109.4890,
111.6554, 73.6159

 4.3839, 4.2063,
0.7005

 138.7833,
141.8669, 97.5082

 1.9215, 1.7896,
0.0000

172.8856,
177.0887, 126.0802

 0.5893, 0.4807,
0.0000

212.1614,

 0.0000, 0.0000,

217.7052, 159.7505

0.0000

256.9760,
264.1007, 198.9376

■ 33.0859, 33.2244,
16.4735

■ 33.0859, 33.2244,
16.4735

■ 31.1898, 30.6832,
11.9851

■ 35.2537, 35.9882,
22.0420

■ 29.5480, 28.3520,
8.5016

■ 37.7045, 38.9773,
28.7548

■ 28.1445, 26.2236,
5.9417

■ 40.4517, 42.2001,
36.6733

■ 26.9600, 24.2883,
4.2097

■ 43.5071, 45.6633,
45.8541

■ 25.9696, 22.5338,
3.1818

■ 46.8818, 49.3730,
56.3501

■ 25.6248, 21.9057,
2.8777

■ 50.5863, 53.3351,
68.2111

■ 54.6305, 57.5554,
81.4843

■ 59.0240, 62.0393,
96.2149

■ 62.1910, 66.1581,
104.0997

Harmonies

Analogous

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



37.5783, 33.2244, 19.9335



33.0859, 33.2244, 16.4735



28.5929, 33.2244, 17.2117

Triad

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



33.0859, 33.2244, 16.4735



23.9753, 33.2244, 45.7506



38.9103, 33.2244, 54.9090

Complementary

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



33.0859, 33.2244, 16.4735



22.0483, 22.6150, 48.5504

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.



34.7656, 33.2244, 65.5811



33.0859, 33.2244, 16.4735



26.2545, 33.2244, 59.4640

Square

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



33.0859, 33.2244, 16.4735



23.6199, 33.2244, 32.0906



30.1182, 33.2244, 67.4253



41.1504, 33.2244, 40.5936

Rectangle

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



33.0859, 33.2244, 16.4735



26.1779, 33.2244, 20.0738



30.1182, 33.2244, 67.4253



37.6757, 33.2244, 59.1745

Sweetspot

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



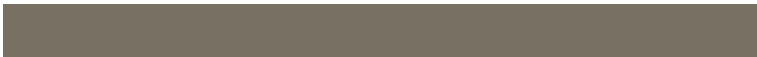
33.0867, 33.2260, 16.4742



74.3711, 77.6956, 69.5600



28.4628, 20.8078, 24.7068



15.7875, 16.4676, 14.2704



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.



33.0867, 33.2260, 16.4742



56.6283, 55.7432, 21.9246



37.1843, 44.3537, 18.4061



9.4495, 9.9020, 9.5201



17.7307, 15.2378, 2.0067



0.6832, 0.6535, 0.0901

Inverse Universe

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



22.0483, 22.6150, 48.5504



34.2568, 34.2636, 87.0126



19.2376, 15.5416, 47.3332



8.7993, 9.2759, 11.4061



7.5987, 5.6570, 31.9445



0.3286, 0.3209, 1.1464

Previews

White Background



This preview shows how the XYZ color 33.0859, 33.2244, 16.4735 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 33.0859, 33.2244, 16.4735 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 33.0859, 33.2244, 16.4735

Background



This preview shows how black text looks on a background with the XYZ color 33.0859, 33.2244, 16.4735.



This preview shows how white text looks on a background with the XYZ color 33.0859, 33.2244,

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

33.0859, 33.2244, 16.4735

Protanopia

30.8150, 33.2626, 17.1081

Deuteranopia

33.7386, 33.0871, 16.4126



Tritanopia

36.8759, 33.1319, 35.4619

Trichromacy



Original Color

33.0859, 33.2244, 16.4735

Protanomaly

31.5350, 33.1453, 16.7922

Deuteranomaly

33.6520, 33.2783, 16.4541

Tritanomaly

35.3004, 33.1815, 27.4658

Monochromacy



Original Color

33.0859, 33.2244, 16.4735

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

31.6547, 32.9675, 27.6166

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.0859, 33.2244, 16.4735 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(184, 151, 99)` looks like.

```
.text, #text, p{  
    color:rgb(184, 151, 99)  
}
```

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(184, 151, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 151, 99) }
```

Border

The CSS property to change the border of an element to XYZ 33.0859, 33.2244, 16.4735 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(184, 151, 99) }
```


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

```
.border{ border-color:rgb(184, 151, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 151, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 151, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 151, 99);  
box-shadow:4px 4px 4px 4px rgb(184, 151,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 33.0859, 33.2244, 16.4735 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 151, 99) }
```

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

```
.background{ background-color: rgb(184,  
151, 99) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor