

Converting Colors

XYZ(33.3243, 33.3884, 13.9977)

Have a look what the booklet for
XYZ(33.3243, 33.3884, 13.9977)
contains.

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Color

**XYZ(33.3216, 33.4026,
13.9236)**

Conversions

Conversions Part 1

Format	Color
Hex	BB9758
RGB	187, 151, 88
RGB Percent	73%, 59%, 35%
CMY	0.2667, 0.4078, 0.6549
CMYK	0.00, 0.19, 0.53, 0.27
HSL	38°, 42%, 54%
HSV	38°, 53%, 73%
XYZ	33.3216, 33.4026, 13.9236
YIQ	154.5820, 41.6790, -11.9610

Conversions

Conversions Part 2

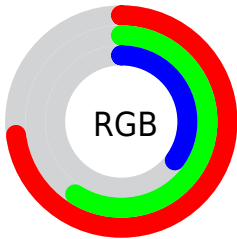
Format	Color
RYB	145, 187, 88
Decimal	12293976
CIELab	64.49, 5.64, 38.01
CIELCh	64, 38.423, 81.561
Yxy	33.4026, 0.4132, 0.4142
Android (android.graphics.Color)	4290484056 (0xFFBB9758)
YUV	154.5820, -32.8249, 28.4306
Hunter-Lab	57.7950, 1.7727, 26.1727

Details

The XYZ color **33.3216, 33.4026, 13.9236** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **20.2015, 20.0771, 49.8241**, and the grayscale version is **31.0992, 32.7188, 35.6307**.

A 20% lighter version of the original color is **64.1477, 64.9392, 33.5797**, and **14.3002, 14.0928, 3.9740** is the 20% darker color. If you saturate the color by 10%, you get **31.5815, 31.0071, 9.9999**, and if you desaturate by 10%, it is **35.3251, 36.0070, 18.9160**.

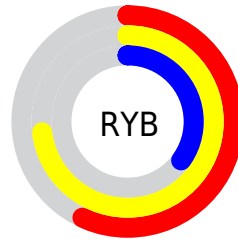
Distribution



Red (73%)

Green (59%)

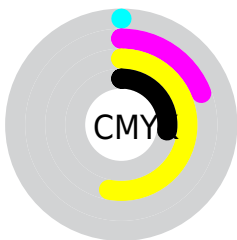
Blue (35%)



Red (57%)

Yellow (73%)

Blue (35%)

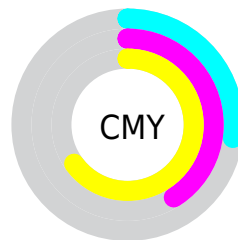


Cyan (0%)

Magenta (19%)

Yellow (53%)

Black (27%)



Cyan (27%)


Magenta (41%)


Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.3216, 33.4026, 13.9236 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 33.3216, 33.4026, 13.9236 by changing the saturation by 10% instead.


 33.3216, 33.4026,
13.9236


 33.3216, 33.4026,
13.9236


308.7358,
317.4600, 228.1669


 22.5333, 22.4350,
7.9294


 64.2286, 65.0036,
33.6686

 14.3681, 14.1769,
3.9627


 85.0781, 86.4058,
48.2564


 8.4605, 8.2438,
1.6049


 110.0120,
112.0550, 66.5459

 4.4453, 4.2514,
0.2943

 139.3958,
142.3356, 88.9556

 1.9570, 1.8151,
0.0000

 173.5946,
177.6320, 115.9040

 0.6096, 0.4966,
0.0000

212.9740,

 0.0000, 0.0000,

218.3286, 147.8097

0.0000

257.8993,
264.8098, 185.0911

■ 33.3216, 33.4026,
13.9236

■ 33.3216, 33.4026,
13.9236

■ 31.5815, 31.0071,
9.9999

■ 35.3251, 36.0070,
18.9160

■ 30.0858, 28.8075,
7.0608

■ 37.6045, 38.8231,
25.0485

■ 28.8165, 26.7959,
5.0128

■ 40.1743, 41.8596,
32.3886

■ 27.7511, 24.9617,
3.7431

■ 43.0471, 45.1231,
40.9980

■ 27.0913, 23.7604,
3.1584

■ 46.2347, 48.6198,
50.9341

■ 49.7481, 52.3558,
62.2509

■ 53.5980, 56.3366,
74.9991

■ 57.7943, 60.5678,
89.2270

■ 62.1363, 64.9705,
103.8734

Harmonies

Analogous

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



38.7681, 33.4026, 17.4676



33.3216, 33.4026, 13.9236



28.0273, 33.4026, 14.8871

Triad

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



33.3216, 33.4026, 13.9236



22.9134, 33.4026, 48.6399



40.7482, 33.4026, 58.5698

Complementary

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



33.3216, 33.4026, 13.9236



20.2015, 20.0771, 49.8241

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.



35.7846, 33.4026, 72.3230



33.3216, 33.4026, 13.9236



25.6314, 33.4026, 65.5359

Square

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



33.3216, 33.4026, 13.9236



22.4151, 33.4026, 32.1137



30.2251, 33.4026, 75.1855



43.3676, 33.4026, 40.9861

Rectangle

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



33.3216, 33.4026, 13.9236



25.2516, 33.4026, 18.1244



30.2251, 33.4026, 75.1855



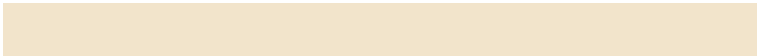
39.2732, 33.4026, 63.9819

Sweetspot

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



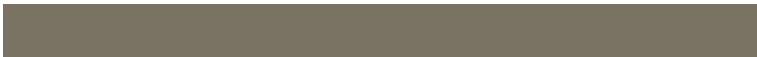
33.3224, 33.4042, 13.9243



75.3285, 78.8301, 68.0520



27.6405, 19.0074, 21.3807



16.3529, 17.0925, 14.2778



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.



33.3224, 33.4042, 13.9243



55.9661, 54.6798, 16.6664



36.9429, 45.2209, 16.0143



10.0226, 10.5212, 10.0792



18.7367, 16.5123, 2.1996



0.7941, 0.7671, 0.1062

Inverse Universe

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



20.2015, 20.0771, 49.8241



29.9247, 28.2821, 88.0832



17.8489, 13.3459, 48.6489



9.2929, 9.7781, 12.0698



7.6673, 5.4464, 33.0400



0.3632, 0.3391, 1.3152

Previews

White Background



This preview shows how the XYZ color 33.3216, 33.4026, 13.9236 looks on a white background.

Color Contrast Check

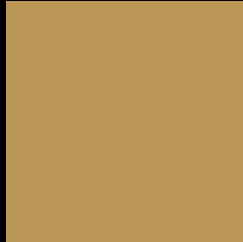
Large Text (above 18pt) WCAG AA × Fail

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 33.3216, 33.4026, 13.9236 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 33.3216, 33.4026, 13.9236

Background



This preview shows how black text looks on a background with the XYZ color 33.3216, 33.4026, 13.9236.



This preview shows how white text looks on a background with the XYZ color 33.3216, 33.4026,

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

33.3216, 33.4026, 13.9236

Protanopia

30.9157, 33.6228, 14.5333

Deuteranopia

33.9948, 33.2758, 13.8637



Tritanopia

37.6475, 33.3155, 35.0181

Trichromacy



Original Color

33.3216, 33.4026, 13.9236

Protanomaly

31.6560, 33.5111, 14.2510

Deuteranomaly

33.9030, 33.4644, 13.9049

Tritanomaly

35.7940, 33.2458, 25.6496

Monochromacy



Original Color

33.3216, 33.4026, 13.9236

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

31.5887, 32.9654, 26.1708

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3216, 33.4026, 13.9236 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(187, 151, 88)` looks like.

```
.text, #text, p{  
    color:rgb(187, 151, 88)  
}
```

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(187, 151, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 151, 88) }
```

Border

The CSS property to change the border of an element to XYZ 33.3216, 33.4026, 13.9236 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(187, 151, 88) }
```


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

```
.border{ border-color:rgb(187, 151, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 151, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 151, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 151, 88);  
box-shadow:4px 4px 4px 4px rgb(187, 151,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3216, 33.4026, 13.9236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 151, 88) }
```

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

```
.background{ background-color: rgb(187,  
151, 88) }
```

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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