

Converting Colors

XYZ(32.9044, 33.6797, 13.3862)

Have a look what the booklet for
XYZ(32.9044, 33.6797, 13.3862)
contains.

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Color

**XYZ(32.7981, 33.6287,
13.3567)**

Conversions

Conversions Part 1

Format	Color
Hex	B89955
RGB	184, 153, 85
RGB Percent	72%, 60%, 33%
CMY	0.2784, 0.4000, 0.6667
CMYK	0.00, 0.17, 0.54, 0.28
HSL	41°, 41%, 53%
HSV	41°, 54%, 72%
XYZ	32.7981, 33.6287, 13.3567
YIQ	154.5170, 40.3040, -14.5760

Conversions

Conversions Part 2

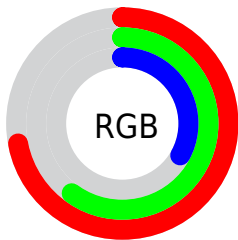
Format	Color
RYB	130, 184, 85
Decimal	12097877
CIELab	64.67, 3.00, 39.71
CIELCh	65, 39.819, 85.676
Yxy	33.6287, 0.4111, 0.4215
Android (android.graphics.Color)	4290287957 (0xFFB89955)
YUV	154.5170, -34.2719, 25.8566
Hunter-Lab	57.9903, -0.5270, 26.9371

Details

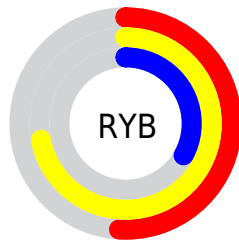
The XYZ color **32.7981, 33.6287, 13.3567** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **18.6432, 17.8821, 47.8162**, and the grayscale version is **31.0771, 32.6955, 35.6054**.

A 20% lighter version of the original color is **63.3747, 65.2805, 32.5527**, and **13.9719, 14.2193, 3.6773** is the 20% darker color. If you saturate the color by 10%, you get **31.2400, 31.5343, 9.6880**, and if you desaturate by 10%, it is **34.5934, 35.8934, 18.0429**.

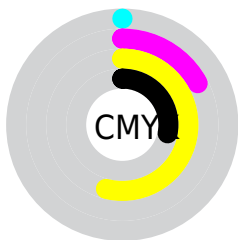
Distribution



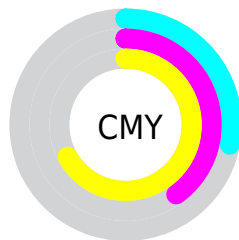
- Red (72%)
- Green (60%)
- Blue (33%)



- Red (51%)
- Yellow (72%)
- Blue (33%)



- Cyan (0%)
- Magenta (17%)
- Yellow (54%)
- Black (28%)



- Cyan (28%)
- Magenta (40%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.7981, 33.6287, 13.3567 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 32.7981, 33.6287, 13.3567 by changing the saturation by 10% instead.

■ 32.7981, 33.6287,
13.3567

■ 32.7981, 33.6287,
13.3567

306.4201,
318.4733, 224.4788

■ 22.1303, 22.6085,
7.5410

■ 63.4170, 65.3559,
32.6437

■ 14.0698, 14.3047,
3.7192

■ 84.0988, 86.8316,
46.9520

■ 8.2513, 8.3329,
1.4726

■ 108.8493,
112.5613, 64.9284

■ 4.3093, 4.3087,
0.1974

■ 138.0339,
142.9294, 86.9913

■ 1.8786, 1.8477,
0.0000

■ 172.0179,
178.3202, 113.5592

■ 0.5643, 0.5166,
0.0000

211.1667,

■ 0.0000, 0.0000,

219.1182, 145.0507

0.0000

255.8456,
265.7078, 181.8844

■ 32.7981, 33.6287,
13.3567

■ 32.7981, 33.6287,
13.3567

■ 31.2400, 31.5343,
9.6880

■ 34.5934, 35.8934,
18.0429

■ 29.9011, 29.5980,
6.9553

■ 36.6376, 38.3303,
23.8156

■ 28.7641, 27.8133,
5.0676

■ 38.9443, 40.9470,
30.7401

■ 27.8074, 26.1705,
3.9148

■ 41.5254, 43.7492,
38.8759

■ 27.2782, 25.2125,
3.4288

■ 44.3919, 46.7423,
48.2785

■ 47.5543, 49.9314,
58.9997

■ 51.0225, 53.3214,
71.0886

■ 54.8057, 56.9168,
84.5918

■ 58.9129, 60.7221,
99.5535

Harmonies

Analogous

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



38.5635, 33.6287, 16.3000



32.7981, 33.6287, 13.3567



27.4372, 33.6287, 14.9564

Triad

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



32.7981, 33.6287, 13.3567



23.0524, 33.6287, 52.0031



41.9170, 33.6287, 57.3662

Complementary

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



32.7981, 33.6287, 13.3567



18.6432, 17.8821, 47.8162

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.



36.9612, 33.6287, 72.9029



32.7981, 33.6287, 13.3567



26.1623, 33.6287, 69.2146

Square

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



32.7981, 33.6287, 13.3567



22.2158, 33.6287, 34.2958



31.1423, 33.6287, 77.7811



44.2112, 33.6287, 39.0384

Rectangle

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



32.7981, 33.6287, 13.3567



24.7330, 33.6287, 18.7444



31.1423, 33.6287, 77.7811



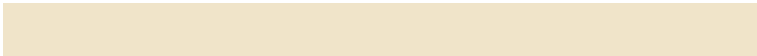
40.4804, 33.6287, 63.2790

Sweetspot

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



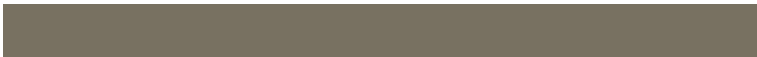
32.7989, 33.6303, 13.3574



74.0759, 78.0240, 66.6291



26.1886, 17.9568, 18.7161



15.7603, 16.5949, 13.7009



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.



32.7989, 33.6303, 13.3574



56.0428, 56.3378, 16.2865



34.4747, 43.0276, 15.0829



9.5066, 10.0161, 9.5392



18.8654, 17.5071, 2.3849



0.7177, 0.7224, 0.1016

Inverse Universe

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



18.6432, 17.8821, 47.8162



27.6735, 24.8397, 85.5406



17.5113, 12.8505, 46.9047



8.7444, 9.1661, 11.3878



7.0485, 4.5567, 31.7611



0.3055, 0.2747, 1.1387

Previews

White Background



This preview shows how the XYZ color 32.7981, 33.6287, 13.3567 looks on a white background.

Color Contrast Check

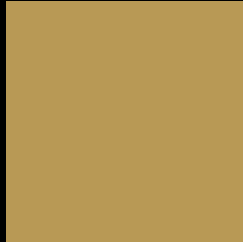
Large Text (above 18pt) WCAG AA × Fail

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 32.7981, 33.6287, 13.3567 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 32.7981, 33.6287, 13.3567

Background



This preview shows how black text looks on a background with the XYZ color 32.7981, 33.6287, 13.3567.



This preview shows how white text looks on a background with the XYZ color 32.7981, 33.6287,

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

32.7981, 33.6287, 13.3567

Protanopia

30.9703, 33.6701, 13.6708

Deuteranopia

34.3243, 33.6910, 13.4980



Tritanopia

37.3614, 33.5982, 35.9684

Trichromacy



Original Color

32.7981, 33.6287, 13.3567

Protanomaly

31.6996, 33.7959, 13.6566

Deuteranomaly

33.7326, 33.6239, 13.5163

Tritanomaly

35.3582, 33.4829, 25.7184

Monochromacy



Original Color

32.7981, 33.6287, 13.3567

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

31.3108, 32.8299, 25.8056

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.7981, 33.6287, 13.3567 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, 153, 85)` looks like.

```
.text, #text, p{  
    color:rgb(184, 153, 85)  
}
```

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, 153, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 153, 85) }
```

Border

The CSS property to change the border of an element to XYZ 32.7981, 33.6287, 13.3567 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, 153, 85) }
```


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

```
.border{ border-color:rgb(184, 153, 85) }
```

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

Here you see how a box with a 4 pixel rgb(184, 153, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 153, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 153, 85);  
box-shadow:4px 4px 4px 4px rgb(184, 153,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 32.7981, 33.6287, 13.3567 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 153, 85) }
```

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

```
.background{ background-color: rgb(184,  
153, 85) }
```

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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