

Converting Colors

XYZ(33.8556, 33.2729, 28.2763)

Have a look what the booklet for
XYZ(33.8556, 33.2729, 28.2763)
contains.

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Color

**XYZ(33.9421, 33.4043,
28.3257)**

Conversions

Conversions Part 1

Format	Color
Hex	B29789
RGB	178, 151, 137
RGB Percent	70%, 59%, 54%
CMY	0.3020, 0.4078, 0.4627
CMYK	0.00, 0.15, 0.23, 0.30
HSL	20°, 21%, 62%
HSV	20°, 23%, 70%
XYZ	33.9421, 33.4043, 28.3257
YIQ	157.4770, 20.5860, 1.3700

Conversions

Conversions Part 2

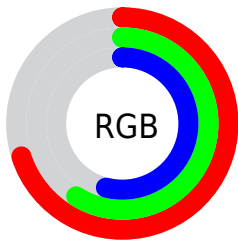
Format	Color
RYB	178, 158, 137
Decimal	11704201
CIELab	64.49, 7.81, 11.10
CIELCh	64, 13.568, 54.867
Yxy	33.4043, 0.3548, 0.3492
Android (android.graphics.Color)	4289894281 (0xFFB29789)
YUV	157.4770, -10.0952, 17.9987
Hunter-Lab	57.7965, 3.6838, 11.3998

Details

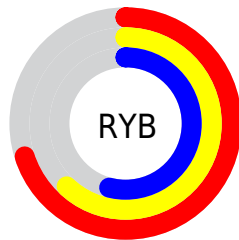
The XYZ color **33.9421, 33.4043, 28.3257** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **31.6278, 35.0830, 47.2246**, and the grayscale version is **32.3011, 33.9833, 37.0078**.

A 20% lighter version of the original color is **65.0573, 64.8728, 57.8080**, and **14.7349, 14.1624, 10.9738** is the 20% darker color. If you saturate the color by 10%, you get **30.9759, 29.3493, 21.5486**, and if you desaturate by 10%, it is **37.3084, 37.9217, 36.2762**.

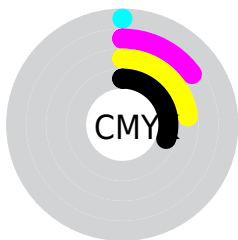
Distribution



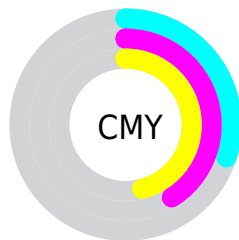
- Red (70%)
- Green (59%)
- Blue (54%)



- Red (70%)
- Yellow (62%)
- Blue (54%)



- Cyan (0%)
- Magenta (15%)
- Yellow (23%)
- Black (30%)





- Cyan (30%)
- Magenta (41%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.9421, 33.4043, 28.3257 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 33.9421, 33.4043, 28.3257 by changing the saturation by 10% instead.


 33.9421, 33.4043,
28.3257


 33.9421, 33.4043,
28.3257


311.4643,
317.4676, 307.9807


 23.0118, 22.4363,
18.3301


 65.1885, 65.0062,
58.0334

 14.7230, 14.1779,
11.0154


 86.2353, 86.4090,
78.5826

 8.7102, 8.2445,
5.9629


 111.3850,
112.0588, 103.4867

 4.6083, 4.2518,
2.7541

141.0030,
142.3401, 133.1643

 2.0517, 1.8154,
0.9705

175.4545,
177.6372, 168.0340

 0.6627, 0.4967,
0.0000

215.1050,

 0.0000, 0.0000,

218.3346, 208.5143

0.0000

260.3198,
264.8166, 255.0237

■ 33.9421, 33.4043,
28.3257

■ 33.9421, 33.4043,
28.3257

■ 30.9759, 29.3493,
21.5486

■ 37.3084, 37.9217,
36.2762

■ 28.3912, 25.7371,
15.8866

■ 41.0868, 42.9113,
45.4505

■ 26.1721, 22.5534,
11.2796

■ 45.2924, 48.3882,
55.8983

■ 24.3003, 19.7812,
7.6609

■ 49.9385, 54.3655,
67.6662

■ 22.7558, 17.4024,
4.9561

■ 55.0377, 60.8557,
80.7982

■ 21.5159, 15.3973,
3.0798

■ 60.6024, 67.8710,
95.3365

■ 20.5547, 13.7439,
1.9303

■ 65.5629, 74.9904,
105.6268

■ 20.0180, 12.7806,
1.4118

■ 68.9929, 81.8504,
106.7701

■ 72.1702, 88.2051,
107.8292

Harmonies

Analogous

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



35.2509, 33.4043, 32.0672



33.9421, 33.4043, 28.3257



32.0842, 33.4043, 26.7470

Triad

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



33.9421, 33.4043, 28.3257



28.1822, 33.4043, 35.4255



33.3422, 33.4043, 46.9350

Complementary

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



33.9421, 33.4043, 28.3257



31.6278, 35.0830, 47.2246

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.



31.4177, 33.4043, 48.0657



33.9421, 33.4043, 28.3257



28.4885, 33.4043, 41.0449

Square

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



33.9421, 33.4043, 28.3257



28.7997, 33.4043, 30.5711



29.6540, 33.4043, 45.8128



34.8948, 33.4043, 42.8629

Rectangle

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



33.9421, 33.4043, 28.3257



30.8035, 33.4043, 27.0040



29.6540, 33.4043, 45.8128



32.7152, 33.4043, 47.6881

Sweetspot

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



33.9430, 33.4058, 28.3264



71.6147, 74.0122, 75.3460



34.0372, 30.0492, 39.2865



15.7765, 16.2790, 16.4746



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.



33.9430, 33.4058, 28.3264



58.5322, 56.4673, 44.4104



37.4703, 40.4604, 29.5022



8.7258, 8.9640, 8.9229



14.3763, 9.2512, 1.0279



0.5079, 0.4021, 0.0509

Inverse Universe

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



31.6278, 35.0830, 47.2246



53.5367, 60.0763, 85.1554



28.3009, 28.4293, 46.1156



8.4934, 9.1330, 10.8215



10.3787, 11.5577, 31.8208



0.3781, 0.4668, 1.0184

Previews

White Background



This preview shows how the XYZ color 33.9421, 33.4043, 28.3257 looks on a white background.

Color Contrast Check

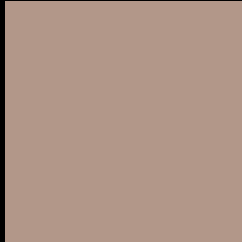
Large Text (above 18pt) WCAG AA × Fail

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 33.9421, 33.4043, 28.3257 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

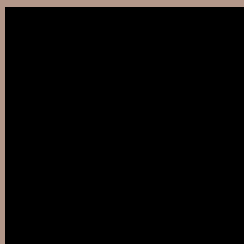
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.9421, 33.4043, 28.3257

Background



This preview shows how black text looks on a background with the XYZ color 33.9421, 33.4043, 28.3257.



This preview shows how white text looks on a background with the XYZ color 33.9421, 33.4043,

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

33.9421, 33.4043, 28.3257

Protanopia

31.7263, 33.4569, 29.5966

Deuteranopia

34.1724, 33.5231, 28.3364



Tritanopia

35.9040, 33.5068, 37.3760

Trichromacy



Original Color

33.9421, 33.4043, 28.3257

Protanomaly

32.3643, 33.3001, 29.1479

Deuteranomaly

34.1724, 33.5231, 28.3364

Tritanomaly

35.1558, 33.4326, 33.8784

Monochromacy



Original Color

33.9421, 33.4043, 28.3257

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

32.7434, 33.6440, 33.6223

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9421, 33.4043, 28.3257 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(178, 151, 137)` looks like.

```
.text, #text, p{  
    color:rgb(178, 151, 137)  
}
```

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(178, 151, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 151, 137) }
```

Border

The CSS property to change the border of an element to XYZ 33.9421, 33.4043, 28.3257 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(178, 151, 137) }
```


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

```
.border{ border-color:rgb(178, 151, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 151, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 151, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 151, 137);  
box-shadow:4px 4px 4px 4px rgb(178, 151,  
137) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9421, 33.4043, 28.3257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 151, 137) }
```

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

```
.background{ background-color: rgb(178,  
151, 137) }
```

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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