

Converting Colors

XYZ(33.2325, 35.8967, 30.7069)

Have a look what the booklet for
XYZ(33.2325, 35.8967, 30.7069)
contains.

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Color

**XYZ(33.2895, 36.0399,
30.7930)**

Conversions

Conversions Part 1

Format	Color
Hex	A4A38E
RGB	164, 163, 142
RGB Percent	64%, 64%, 56%
CMY	0.3569, 0.3608, 0.4431
CMYK	0.00, 0.01, 0.13, 0.36
HSL	57°, 11%, 60%
HSV	57°, 13%, 64%
XYZ	33.2895, 36.0399, 30.7930
YIQ	160.9050, 7.3370, -6.3190

Conversions

Conversions Part 2

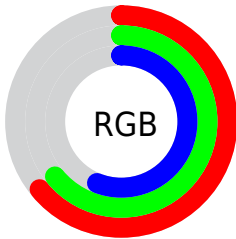
Format	Color
RYB	143, 164, 142
Decimal	10789774
CIELab	66.55, -3.37, 11.05
CIElCh	67, 11.553, 106.982
Yxy	36.0399, 0.3325, 0.3600
Android (android.graphics.Color)	4288979854 (0xFFA4A38E)
YUV	160.9050, -9.3202, 2.7143
Hunter-Lab	60.0332, -6.0767, 11.6115

Details

The XYZ color **33.2895, 36.0399, 30.7930** is a light color, and the websafe version is hex **999999**. A complement of this color would be **27.6785, 28.0754, 39.0825**, and the grayscale version is **33.8725, 35.6365, 38.8081**.

A 20% lighter version of the original color is **64.2486, 69.1884, 62.1930**, and **14.2983, 15.5863, 12.3801** is the 20% darker color. If you saturate the color by 10%, you get **32.0166, 35.3215, 24.7343**, and if you desaturate by 10%, it is **34.7463, 36.8355, 37.8078**.

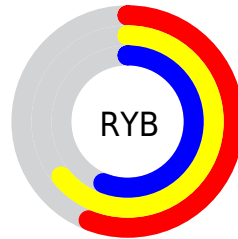
Distribution



Red (64%)

Green (64%)

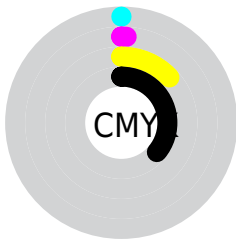
Blue (56%)



Red (56%)

Yellow (64%)

Blue (56%)

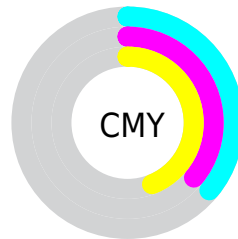


Cyan (0%)

Magenta (1%)

Yellow (13%)

Black (36%)



Cyan (36%)

Magenta (36%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.2895, 36.0399, 30.7930 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 33.2895, 36.0399, 30.7930 by changing the saturation by 10% instead.

■ 33.2895, 36.0399,
30.7930

■ 33.2895, 36.0399,
30.7930

308.5942,
329.1349, 319.9051

■ 22.5086, 24.4650,
20.1841

■ 64.1789, 69.0936,
61.9898

■ 14.3498, 15.6789,
12.3436

■ 85.0181, 91.3413,
83.4148

■ 8.4477, 9.2972,
6.8527

■ 109.9408,
117.9153, 109.2822

■ 4.4369, 4.9356,
3.2931

139.3124,
149.2001, 140.0106

■ 1.9522, 2.2095,
1.2462

173.4982,
185.5801, 176.0186

■ 0.6069, 0.7252,
0.0171

212.8635,

■ 0.0000, 0.0000,

227.4396, 217.7247

0.0000

257.7737,
275.1631, 265.5473

■ 33.2895, 36.0399,
30.7930

■ 33.2895, 36.0399,
30.7930

■ 32.0166, 35.3215,
24.7343

■ 34.7463, 36.8355,
37.8078

■ 30.9168, 34.6725,
19.5878

■ 36.3916, 37.7064,
45.8152

■ 29.9827, 34.0909,
15.3097

■ 38.2332, 38.6572,
54.8530

■ 29.2050, 33.5731,
11.8518

■ 40.2778, 39.6904,
64.9559

■ 28.5738, 33.1152,
9.1610

■ 42.5318, 40.8086,
76.1572

■ 28.0776, 32.7125,
7.1780

■ 45.0011, 42.0142,
88.4889

■ 27.7038, 32.3599,
5.8351

■ 47.4001, 43.1929,
100.4466

■ 27.4367, 32.0514,
5.0511

■ 47.5379, 43.4684,
100.4925

■ 27.2949, 31.8624,
4.7115

■ 47.6764, 43.7454,
100.5386

Harmonies

Analogous

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



35.0120, 36.0399, 30.6477



33.2895, 36.0399, 30.7930



31.8727, 36.0399, 33.0762

Triad

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



33.2895, 36.0399, 30.7930



32.0285, 36.0399, 46.6511



37.6098, 36.0399, 41.4336

Complementary

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



33.2895, 36.0399, 30.7930



27.6785, 28.0754, 39.0825

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.



36.7528, 36.0399, 46.1286



33.2895, 36.0399, 30.7930



33.5087, 36.0399, 49.3077

Square

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



33.2895, 36.0399, 30.7930



31.1617, 36.0399, 42.0991



35.2387, 36.0399, 49.1087



37.5462, 36.0399, 36.5159

Rectangle

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



33.2895, 36.0399, 30.7930



31.2746, 36.0399, 35.6220



35.2387, 36.0399, 49.1087



37.4186, 36.0399, 43.0979

Sweetspot

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



33.2905, 36.0415, 30.7938



62.8849, 66.7626, 67.7305



29.9487, 29.2252, 30.0894



13.7039, 14.5720, 14.5946



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



33.2905, 36.0415, 30.7938



59.7266, 65.0302, 52.5457



31.5038, 35.3841, 30.7610



7.6218, 8.1820, 7.5577



20.9378, 24.4495, 3.6157



0.4478, 0.5293, 0.0786

Inverse Universe

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



27.6785, 28.0754, 39.0825



47.5905, 47.8033, 70.4710



29.3044, 28.6926, 39.1159



6.7250, 6.9090, 8.8822



5.2093, 2.1980, 27.0795



0.1167, 0.0607, 0.5714

Previews

White Background



This preview shows how the XYZ color 33.2895, 36.0399, 30.7930 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 33.2895, 36.0399, 30.7930 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

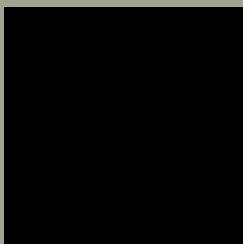
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

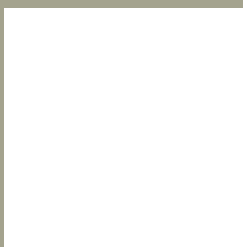
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.2895, 36.0399, 30.7930

Background



This preview shows how black text looks on a background with the XYZ color 33.2895, 36.0399, 30.7930.



This preview shows how white text looks on a background with the XYZ color 33.2895, 36.0399,

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

33.2895, 36.0399, 30.7930

Protanopia

33.9148, 35.8478, 30.3311

Deuteranopia

36.6136, 35.9505, 30.9960



Tritanopia

35.8973, 36.0614, 43.5966

Trichromacy



Original Color

33.2895, 36.0399, 30.7930

Protanomaly

33.6644, 35.9792, 30.3697

Deuteranomaly

35.4875, 36.1266, 31.0893

Tritanomaly

34.8523, 35.8952, 38.3493

Monochromacy



Original Color

33.2895, 36.0399, 30.7930

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

33.6534, 35.8551, 35.7189

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2895, 36.0399, 30.7930 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(164, 163, 142)` looks like.

```
.text, #text, p{  
    color:rgb(164, 163, 142)  
}
```

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(164, 163, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 163, 142) }
```

Border

The CSS property to change the border of an element to XYZ 33.2895, 36.0399, 30.7930 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(164, 163, 142) }
```


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

```
.border{ border-color:rgb(164, 163, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 163, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 163, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 163, 142);  
box-shadow:4px 4px 4px 4px rgb(164, 163,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2895, 36.0399, 30.7930 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 163, 142) }
```

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

```
.background{ background-color: rgb(164,  
163, 142) }
```

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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