

# Converting Colors

XYZ(34.9836, 36.0378, 33.6670)

Have a look what the booklet for  
XYZ(34.9836, 36.0378, 33.6670)  
contains.

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# Color

**XYZ(35.0089, 36.0822,  
33.5532)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	ACA095
RGB	172, 160, 149
RGB Percent	67%, 63%, 58%
CMY	0.3255, 0.3725, 0.4157
CMYK	0.00, 0.07, 0.13, 0.33
HSL	29°, 12%, 63%
HSV	29°, 13%, 67%
XYZ	35.0089, 36.0822, 33.5532
YIQ	162.3340, 10.6830, -0.8770

# Conversions

## Conversions Part 2

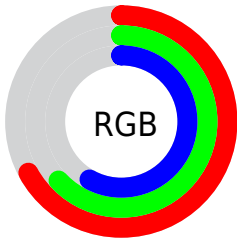
<b>Format</b>	<b>Color</b>
<b>RYB</b>	172, 170, 149
Decimal	11313301
CIELab	66.58, 2.45, 7.29
CIELCh	67, 7.696, 71.414
Yxy	36.0822, 0.3346, 0.3448
Android (android.graphics.Color)	4289503381 (0xFFACA095)
YUV	162.3340, -6.5737, 8.4771
Hunter-Lab	60.0685, -1.0870, 8.9296

# Details

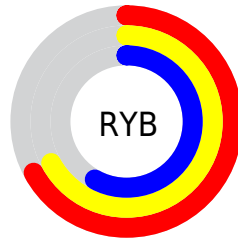
The XYZ color **35.0089, 36.0822, 33.5532** is a light color, and the websafe version is hex **999999**. A complement of this color would be **32.5856, 34.8572, 44.0408**, and the grayscale version is **34.5265, 36.3245, 39.5574**.

A 20% lighter version of the original color is **66.7585, 69.2436, 66.3467**, and **15.4190, 15.8122, 13.7947** is the 20% darker color. If you saturate the color by 10%, you get **32.2366, 32.5750, 26.3471**, and if you desaturate by 10%, it is **38.0983, 39.8982, 41.8665**.

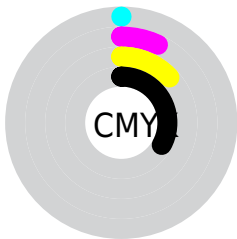
# Distribution



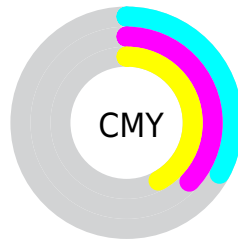
- Red (67%)
- Green (63%)
- Blue (58%)



- Red (67%)
- Yellow (67%)
- Blue (58%)



- Cyan (0%)
- Magenta (7%)
- Yellow (13%)
- Black (33%)




- Cyan (33%)
- Magenta (37%)
- Yellow (42%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.0089, 36.0822, 33.5532 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 35.0089, 36.0822, 33.5532 by changing the saturation by 10% instead.





 35.0089, 36.0822,  
33.5532


 35.0089, 36.0822,  
33.5532


316.1149,  
329.3197, 332.8433

 23.8363, 24.4977,  
22.2760


 66.8335, 69.1589,  
66.3642

 15.3363, 15.7032,  
13.8596


 88.2162, 91.4199,  
88.7350

 9.1436, 9.3144,  
7.8854

113.7329,  
118.0085, 115.6409

 4.8928, 4.9468,  
3.9350

143.7490,  
149.3092, 147.5002

 2.2186, 2.2161,  
1.5898

178.6300,  
185.7062, 184.7315

 0.7525, 0.7287,  
0.2835

218.7410,

 0.0000, 0.0000,

227.5840, 227.7535

0.0000

264.4476,  
275.3271, 276.9846

■ 35.0089, 36.0822,  
33.5532

■ 35.0089, 36.0822,  
33.5532

■ 32.2366, 32.5750,  
26.3471

■ 38.0983, 39.8982,  
41.8665

■ 29.7671, 29.3636,  
20.1984

■ 41.5124, 44.0262,  
51.3291

■ 27.5896, 26.4409,  
15.0570

■ 45.2623, 48.4753,  
61.9840

■ 25.6913, 23.7978,  
10.8678

■ 49.3576, 53.2528,  
73.8710

■ 24.0581, 21.4245,  
7.5701

■ 53.8074, 58.3656,  
87.0283

■ 22.6747, 19.3106,  
5.0965

■ 58.6206, 63.8207,  
101.4922

■ 21.5238, 17.4445,  
3.3694

■ 61.3990, 68.6620,  
104.6248

■ 20.5850, 15.8134,  
2.2963

■ 63.8572, 73.5783,  
105.4441

■ 20.0523, 14.8484,  
1.8092

■ 66.4442, 78.7523,  
106.3065

# Harmonies

## Analogous

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



35.9904, 36.0822, 35.2222



35.0089, 36.0822, 33.5532



33.8567, 36.0822, 33.3679

# Triad

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



35.0089, 36.0822, 33.5532



32.1605, 36.0822, 40.5617



35.7876, 36.0822, 44.2611

# Complementary

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



35.0089, 36.0822, 33.5532



32.5856, 34.8572, 44.0408

# 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.



34.7372, 36.0822, 45.8685



35.0089, 36.0822, 33.5532



32.6538, 36.0822, 43.6539

# Square

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



35.0089, 36.0822, 33.5532



32.2296, 36.0822, 37.2918



33.5910, 36.0822, 45.6403



36.4469, 36.0822, 41.3530



# Rectangle

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



35.0089, 36.0822, 33.5532



33.1487, 36.0822, 34.0976



33.5910, 36.0822, 45.6403



35.4676, 36.0822, 44.9787

# Sweetspot

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



35.0099, 36.0838, 33.5540



68.7042, 71.8780, 74.8287



34.2177, 32.8487, 38.3791



14.8378, 15.5066, 16.0081



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123



# Same Dimension

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



35.0099, 36.0838, 33.5540



61.9878, 63.5486, 56.8568



37.0455, 40.1550, 34.2325



8.3095, 8.6237, 8.4400



14.9764, 11.1584, 1.3644



0.4716, 0.4204, 0.0563

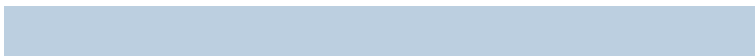


# Inverse Universe

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



32.5856, 34.8572, 44.0408



56.7373, 60.8920, 79.5687



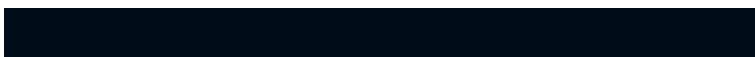
30.7105, 31.1070, 43.4157



7.9115, 8.4224, 10.1614



8.2996, 7.7330, 30.0997

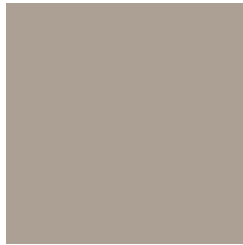


0.2853, 0.3239, 0.8555



# Previews

## White Background



This preview shows how the XYZ color 35.0089, 36.0822, 33.5532 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 35.0089, 36.0822, 33.5532 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

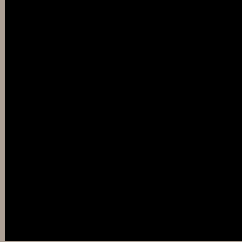
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 35.0089, 36.0822, 33.5532**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.0089, 36.0822, 33.5532.



This preview shows how white text looks on a background with the XYZ color 35.0089, 36.0822,



# 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

35.0089, 36.0822, 33.5532

### Protanopia

34.3983, 36.0166, 33.9931

### Deuteranopia

36.6849, 35.9240, 33.8547



## Tritanopia

36.8976, 36.0925, 42.5579

# Trichromacy



## Original Color

35.0089, 36.0822, 33.5532

## Protanomaly

34.6121, 36.1268, 34.0031

## Deuteranomaly

35.9221, 35.7809, 33.8673

## Tritanomaly

36.2040, 36.0610, 39.2347

# Monochromacy



## Original Color

35.0089, 36.0822, 33.5532

## Achromatopsia

34.3422, 36.1307, 39.3463

## Achromatomaly

34.5566, 36.0311, 37.0317

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.0089, 36.0822, 33.5532 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(172, 160, 149)` looks like.

```
.text, #text, p{  
    color:rgb(172, 160, 149)  
}
```

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(172, 160, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 160, 149) }
```

## Border

The CSS property to change the border of an element to XYZ 35.0089, 36.0822, 33.5532 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(172, 160, 149) }
```



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

```
.border{ border-color:rgb(172, 160, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 160, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 160, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 160, 149);  
box-shadow:4px 4px 4px 4px rgb(172, 160,  
149) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.0089, 36.0822, 33.5532 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 160, 149) }
```

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

```
.background{ background-color: rgb(172,  
160, 149) }
```

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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