

Converting Colors

XYZ(36.0355, 40.8820, 29.6834)

Have a look what the booklet for
XYZ(36.0355, 40.8820, 29.6834)
contains.

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Color

**XYZ(35.9938, 40.7909,
29.6433)**

Conversions

Conversions Part 1

Format	Color
Hex	A8AF89
RGB	168, 175, 137
RGB Percent	66%, 69%, 54%
CMY	0.3412, 0.3137, 0.4627
CMYK	0.04, 0.00, 0.22, 0.31
HSL	71°, 19%, 61%
HSV	71°, 22%, 69%
XYZ	35.9938, 40.7909, 29.6433
YIQ	168.5750, 8.0260, -13.3020

Conversions

Conversions Part 2

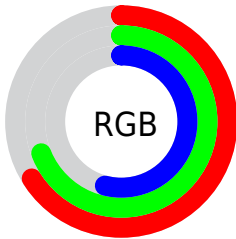
Format	Color
RYB	137, 175, 144
Decimal	11054985
CIELab	70.03, -9.07, 18.70
CIELCh	70, 20.787, 115.879
Yxy	40.7909, 0.3382, 0.3833
Android (android.graphics.Color)	4289245065 (0xFFA8AF89)
YUV	168.5750, -15.5665, -0.5043
Hunter-Lab	63.8678, -11.1717, 17.1888

Details

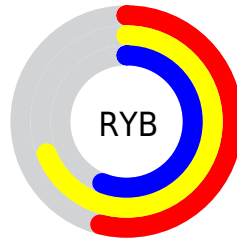
The XYZ color **35.9938, 40.7909, 29.6433** is a light color, and the websafe version is hex **999966**. A complement of this color would be **28.1867, 26.9169, 44.2695**, and the grayscale version is **37.5747, 39.5315, 43.0498**.

A 20% lighter version of the original color is **68.4113, 76.6014, 60.4701**, and **16.0057, 18.5670, 11.7570** is the 20% darker color. If you saturate the color by 10%, you get **34.1611, 39.9809, 23.5276**, and if you desaturate by 10%, it is **38.0493, 41.6948, 36.8340**.

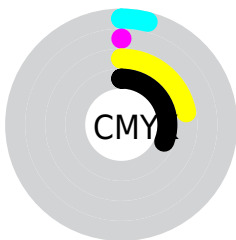
Distribution



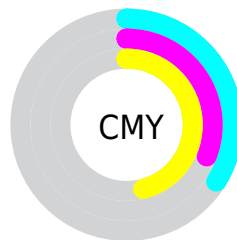
- Red (66%)
- Green (69%)
- Blue (54%)



- Red (54%)
- Yellow (69%)
- Blue (56%)



- Cyan (4%)
- Magenta (0%)
- Yellow (22%)
- Black (31%)





- Cyan (34%)
- Magenta (31%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.9938, 40.7909, 29.6433 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 35.9938, 40.7909, 29.6433 by changing the saturation by 10% instead.


 35.9938, 40.7909,
29.6433


 35.9938, 40.7909,
29.6433


320.3652,
349.4459, 314.3936

 24.5995, 28.1557,
19.3183


 68.3464, 76.3664,
60.1519

 15.9061, 18.4431,
11.7213

 90.0355, 100.0755,
81.1726

 9.5481, 11.2686,
6.4340

 115.8868,
128.2447, 106.5956

 5.1603, 6.2478,
3.0377

146.2658,
161.2584, 136.8394

 2.3774, 2.9963,
1.1139

181.5377,
199.5009, 172.3225

 0.8338, 1.1298,
0.0000

222.0680,

 0.0000, 0.0032,

243.3568, 213.4636

0.0000

268.2221,
293.2103, 260.6811

■ 0.0000, 0.0000,
0.0000

■ 35.9938, 40.7909,
29.6433

■ 35.9938, 40.7909,
29.6433

■ 34.1611, 39.9809,
23.5276

■ 38.0493, 41.6948,
36.8340

■ 32.5382, 39.2553,
18.4327

■ 40.3337, 42.6908,
45.1453

■ 31.1153, 38.6117,
14.3035

■ 42.8567, 43.7843,
54.6233

■ 29.8807, 38.0453,
11.0788

■ 45.6267, 44.9786,
65.3106

■ 28.8212, 37.5509,
8.6903

■ 48.6513, 46.2768,
77.2479

■ 27.9221, 37.1225,
7.0601

■ 51.9382, 47.6819,
90.4738

■ 27.1655, 36.7530,
6.0957

■ 54.7604, 48.9032,
101.1608

■ 26.6156, 36.4792,
5.6384

■ 55.5782, 49.3248,
101.1991

■ 56.4140, 49.7556,
101.2382

Harmonies

Analogous

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



39.2410, 40.7909, 28.2718



35.9938, 40.7909, 29.6433



33.6195, 40.7909, 34.7417

Triad

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



35.9938, 40.7909, 29.6433



35.2269, 40.7909, 61.7355



45.6441, 40.7909, 45.7699

Complementary

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



35.9938, 40.7909, 29.6433



28.1867, 26.9169, 44.2695

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.



44.4225, 40.7909, 55.7338



35.9938, 40.7909, 29.6433



38.3038, 40.7909, 65.7636

Square

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



35.9938, 40.7909, 29.6433



33.1952, 40.7909, 53.0732



41.6865, 40.7909, 63.4221



44.9376, 40.7909, 36.7526

Rectangle

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



35.9938, 40.7909, 29.6433



32.7850, 40.7909, 40.0126



41.6865, 40.7909, 63.4221



45.4435, 40.7909, 49.1276

Sweetspot

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



35.9949, 40.7927, 29.6442



69.9686, 75.4680, 72.5488



32.1642, 30.8577, 27.9284



15.4990, 16.7508, 15.9351



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



35.9949, 40.7927, 29.6442



62.8592, 72.3463, 47.6691



32.2472, 38.8607, 29.4688



8.5158, 9.2545, 8.5508



19.1071, 26.1472, 4.0399



0.5685, 0.7465, 0.1141

Inverse Universe

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



28.1867, 26.9169, 44.2695



46.3986, 43.0895, 78.5085



31.7823, 28.7705, 44.4378



7.7115, 7.8256, 10.0567



6.0128, 2.4596, 29.2023



0.2071, 0.0890, 0.8142

Previews

White Background



This preview shows how the XYZ color 35.9938, 40.7909, 29.6433 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 35.9938, 40.7909, 29.6433 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

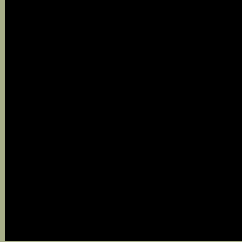
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

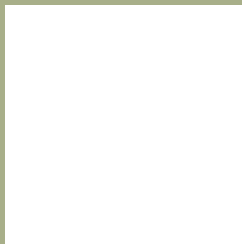
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.9938, 40.7909, 29.6433

Background



This preview shows how black text looks on a background with the XYZ color 35.9938, 40.7909, 29.6433.



This preview shows how white text looks on a background with the XYZ color 35.9938, 40.7909,

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

35.9938, 40.7909, 29.6433

Protanopia

38.2275, 40.8202, 28.7859

Deuteranopia

41.2244, 40.4208, 30.0553



Tritanopia

40.0870, 40.7520, 50.0091

Trichromacy



Original Color

35.9938, 40.7909, 29.6433

Protanomaly

37.3279, 40.6297, 29.1675

Deuteranomaly

39.0836, 40.4050, 29.7838

Tritanomaly

38.4591, 40.6496, 41.8955

Monochromacy



Original Color

35.9938, 40.7909, 29.6433

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

37.0109, 39.9952, 37.6674

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.9938, 40.7909, 29.6433 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(168, 175, 137)` looks like.

```
.text, #text, p{  
    color:rgb(168, 175, 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(168, 175, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 175, 137) }
```

Border

The CSS property to change the border of an element to XYZ 35.9938, 40.7909, 29.6433 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(168, 175, 137) }
```


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

```
.border{ border-color:rgb(168, 175, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 175, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 175, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 175, 137);  
box-shadow:4px 4px 4px 4px rgb(168, 175,  
137) }
```

Background

The CSS property to change the background color of an element to XYZ 35.9938, 40.7909, 29.6433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 175, 137) }
```

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

```
.background{ background-color: rgb(168,  
175, 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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