

Converting Colors

XYZ(35.9554, 39.7475, 28.4050)

Have a look what the booklet for
XYZ(35.9554, 39.7475, 28.4050)
contains.

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Color

**XYZ(35.8792, 39.6177,
28.3102)**

Conversions

Conversions Part 1

Format	Color
Hex	ACAB86
RGB	172, 171, 134
RGB Percent	67%, 67%, 53%
CMY	0.3255, 0.3294, 0.4745
CMYK	0.00, 0.01, 0.22, 0.33
HSL	58°, 19%, 60%
HSV	58°, 22%, 67%
XYZ	35.8792, 39.6177, 28.3102
YIQ	167.0810, 12.4730, -11.2950

Conversions

Conversions Part 2

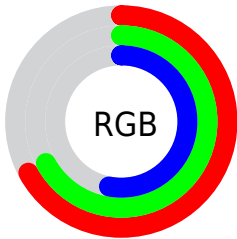
Format	Color
RYB	135, 172, 134
Decimal	11316102
CIELab	69.20, -5.87, 19.24
CIElCh	69, 20.114, 106.960
Yxy	39.6177, 0.3456, 0.3816
Android (android.graphics.Color)	4289506182 (0xFFACAB86)
YUV	167.0810, -16.3089, 4.3140
Hunter-Lab	62.9426, -8.3991, 17.3925

Details

The XYZ color **35.8792, 39.6177, 28.3102** is a light color, and the websafe version is hex **999966**. A complement of this color would be **25.9417, 25.3742, 42.5602**, and the grayscale version is **36.8436, 38.7624, 42.2122**.

A 20% lighter version of the original color is **68.1609, 74.4745, 57.7963**, and **15.8048, 17.7557, 10.9817** is the 20% darker color. If you saturate the color by 10%, you get **34.6913, 39.0079, 22.4693**, and if you desaturate by 10%, it is **37.2646, 40.3097, 35.1805**.

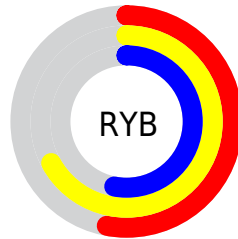
Distribution



Red (67%)

Green (67%)

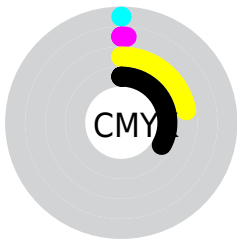
Blue (53%)



Red (53%)

Yellow (67%)

Blue (53%)

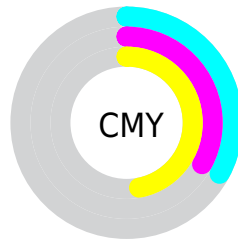


Cyan (0%)

Magenta (1%)

Yellow (22%)

Black (33%)



Cyan (33%)

Magenta (33%)

Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.8792, 39.6177, 28.3102 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 35.8792, 39.6177, 28.3102 by changing the saturation by 10% instead.

■ 35.8792, 39.6177,
28.3102

■ 35.8792, 39.6177,
28.3102

319.8727,
344.5096, 307.9047

■ 24.5106, 27.2406,
18.3185

■ 68.1707, 74.5810,
58.0084

■ 15.8396, 17.7540,
11.0071

■ 89.8242, 97.9360,
78.5519

■ 9.5008, 10.7735,
5.9574

■ 115.6368,
125.7191, 103.4499

■ 5.1290, 5.9148,
2.7508

145.9738,
158.3146, 133.1208

■ 2.3587, 2.7933,
0.9689

181.2005,
196.1071, 167.9832

■ 0.8244, 1.0248,
0.0000

221.6823,

■ 0.0000, 0.0000,

239.4808, 208.4556

0.0000

267.7846,
288.8202, 254.9566

■ 35.8792, 39.6177,
28.3102

■ 35.8792, 39.6177,
28.3102

■ 34.6913, 39.0079,
22.4693

■ 37.2646, 40.3097,
35.1805

■ 33.6884, 38.4712,
17.6058

■ 38.8533, 41.0820,
43.1241

■ 32.8613, 38.0053,
13.6668

■ 40.6544, 41.9399,
52.1851

■ 32.1988, 37.6057,
10.5933

■ 42.6758, 42.8863,
62.4046

■ 31.6885, 37.2675,
8.3196

■ 44.9248, 43.9242,
73.8217

■ 31.3162, 36.9849,
6.7709

■ 47.4086, 45.0565,
86.4734

■ 31.0648, 36.7511,
5.8578

■ 50.1339, 46.2859,
100.3952

■ 30.9226, 36.5892,
5.4326

■ 50.3174, 46.4990,
100.9309

■ 50.4051, 46.6742,
100.9601

Harmonies

Analogous

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



39.0689, 39.6177, 28.0739



35.8792, 39.6177, 28.3102



33.3118, 39.6177, 32.1376

Triad

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



35.8792, 39.6177, 28.3102



33.5883, 39.6177, 57.4279



44.0108, 39.6177, 47.2601

Complementary

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



35.8792, 39.6177, 28.3102



25.9417, 25.3742, 42.5602

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.



42.3612, 39.6177, 56.3969



35.8792, 39.6177, 28.3102



36.2765, 39.6177, 62.8059

Square

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



35.8792, 39.6177, 28.3102



32.0417, 39.6177, 48.5153



39.4893, 39.6177, 62.4038



43.8893, 39.6177, 38.1715

Rectangle

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



35.8792, 39.6177, 28.3102



32.2437, 39.6177, 36.5666



39.4893, 39.6177, 62.4038



43.6412, 39.6177, 50.4506

Sweetspot

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



35.8802, 39.6195, 28.3110



68.9877, 73.8046, 70.7315



29.9307, 27.5781, 26.7664



14.9573, 16.0222, 15.1953



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.



35.8802, 39.6195, 28.3110



63.8861, 71.2600, 45.4204



32.4331, 38.1227, 28.2038



8.6444, 9.2936, 8.5516



23.0180, 27.2415, 4.0450



0.6458, 0.7688, 0.1144

Inverse Universe

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



25.9417, 25.3742, 42.5602



42.3073, 40.3307, 76.3605



28.8709, 26.6790, 42.6577



7.5951, 7.7896, 10.0559



5.5841, 2.3021, 29.1945



0.1607, 0.0747, 0.8139

Previews

White Background



This preview shows how the XYZ color 35.8792, 39.6177, 28.3102 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 35.8792, 39.6177, 28.3102 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

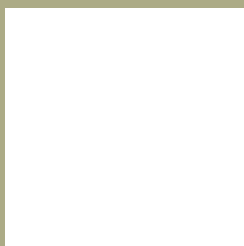
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.8792, 39.6177, 28.3102

Background



This preview shows how black text looks on a background with the XYZ color 35.8792, 39.6177, 28.3102.



This preview shows how white text looks on a background with the XYZ color 35.8792, 39.6177,

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

35.8792, 39.6177, 28.3102

Protanopia

37.2440, 39.7727, 27.9042

Deuteranopia

40.1292, 39.3540, 28.7736



Tritanopia

39.8511, 39.5896, 47.6607

Trichromacy



Original Color

35.8792, 39.6177, 28.3102

Protanomaly

36.7398, 39.7900, 27.9341

Deuteranomaly

38.3218, 39.2243, 28.4729

Tritanomaly

38.2448, 39.4762, 39.7864

Monochromacy



Original Color

35.8792, 39.6177, 28.3102

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

36.2812, 38.8068, 36.5886

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.8792, 39.6177, 28.3102 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, 171, 134)` looks like.

```
.text, #text, p{  
    color:rgb(172, 171, 134)  
}
```

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, 171, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 171, 134) }
```

Border

The CSS property to change the border of an element to XYZ 35.8792, 39.6177, 28.3102 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, 171, 134) }
```


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

```
.border{ border-color:rgb(172, 171, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 171, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 171, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 171, 134);  
box-shadow:4px 4px 4px 4px rgb(172, 171,  
134) }
```

Background

The CSS property to change the background color of an element to XYZ 35.8792, 39.6177, 28.3102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 171, 134) }
```

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

```
.background{ background-color: rgb(172,  
171, 134) }
```

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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