

Converting Colors

XYZ(34.5609, 39.4643, 23.1665)

Have a look what the booklet for
XYZ(34.5609, 39.4643, 23.1665)
contains.

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Color

**XYZ(34.4445, 39.2720,
23.2176)**

Conversions

Conversions Part 1

Format	Color
Hex	A9AC77
RGB	169, 172, 119
RGB Percent	66%, 67%, 47%
CMY	0.3373, 0.3255, 0.5333
CMYK	0.02, 0.00, 0.31, 0.33
HSL	63°, 24%, 57%
HSV	63°, 31%, 67%
XYZ	34.4445, 39.2720, 23.2176
YIQ	165.0610, 15.2250, -17.1190

Conversions

Conversions Part 2

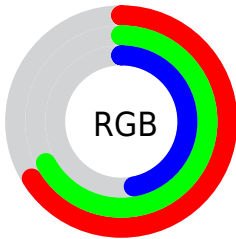
Format	Color
RYB	119, 172, 122
Decimal	11119735
CIELab	68.95, -9.68, 26.98
CIELCh	69, 28.660, 109.737
Yxy	39.2720, 0.3553, 0.4051
Android (android.graphics.Color)	4289309815 (0xFFA9AC77)
YUV	165.0610, -22.7081, 3.4545
Hunter-Lab	62.6674, -11.5572, 21.9008

Details

The XYZ color **34.4445, 39.2720, 23.2176** is a light color, and the websafe version is hex **999966**. A complement of this color would be **22.0708, 20.3108, 41.7891**, and the grayscale version is **35.8947, 37.7640, 41.1250**.

A 20% lighter version of the original color is **65.9668, 73.9243, 49.8217**, and **15.0244, 17.5881, 8.3973** is the 20% darker color. If you saturate the color by 10%, you get **33.2956, 38.7897, 18.2511**, and if you desaturate by 10%, it is **35.7839, 39.8334, 29.1706**.

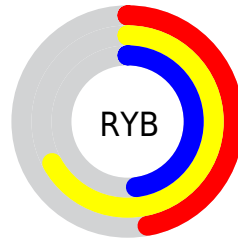
Distribution



Red (66%)

Green (67%)

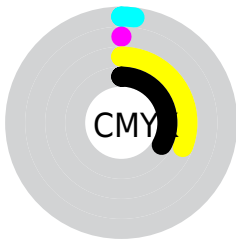
Blue (47%)



Red (47%)

Yellow (67%)

Blue (48%)

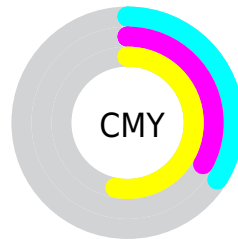


Cyan (2%)

Magenta (0%)

Yellow (31%)

Black (33%)



Cyan (34%)

Magenta (33%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.4445, 39.2720, 23.2176 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 34.4445, 39.2720, 23.2176 by changing the saturation by 10% instead.

■ 34.4445, 39.2720,
23.2176

■ 34.4445, 39.2720,
23.2176

313.6607,
343.0455, 281.9987

■ 23.3998, 26.9714,
14.5475

■ 65.9640, 74.0537,
49.6781

■ 15.0113, 17.5517,
8.3593

■ 87.1695, 97.3035,
68.3055

■ 8.9137, 10.6286,
4.2347

■ 112.4927,
124.9719, 91.0891

■ 4.7416, 5.8177,
1.7549

142.2989,
157.4432, 118.4475

■ 2.1296, 2.7346,
0.3980

176.9534,
195.1018, 150.7990

■ 0.7053, 0.9948,
0.0000

216.8216,

■ 0.0000, 0.0000,

238.3321, 188.5624

0.0000

262.2690,
287.5186, 232.1561

■ 34.4445, 39.2720,
23.2176

■ 34.4445, 39.2720,
23.2176

■ 33.2956, 38.7897,
18.2511

■ 35.7839, 39.8334,
29.1706

■ 32.3242, 38.3773,
14.2153

■ 37.3202, 40.4723,
36.1566

■ 31.5202, 38.0320,
11.0530

■ 39.0631, 41.1941,
44.2224

■ 30.8714, 37.7489,
8.6994

■ 41.0208, 42.0020,
53.4112

■ 30.3636, 37.5224,
7.0810

■ 43.2010, 42.8991,
63.7635

■ 29.9805, 37.3460,
6.1107

■ 45.6112, 43.8883,
75.3183

■ 29.7055, 37.2149,
5.6175

■ 48.2582, 44.9724,
88.1124

■ 50.8893, 46.0504,
100.8142

■ 51.1119, 46.1651,
100.8246

Harmonies

Analogous

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



38.9104, 39.2720, 22.5108



34.4445, 39.2720, 23.2176



31.0300, 39.2720, 28.5022

Triad

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



34.4445, 39.2720, 23.2176



31.9438, 39.2720, 64.9182



46.6329, 39.2720, 47.3908

Complementary

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



34.4445, 39.2720, 23.2176



22.0708, 20.3108, 41.7891

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.



44.4227, 39.2720, 61.1225



34.4445, 39.2720, 23.2176



35.7868, 39.2720, 72.5225

Square

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



34.4445, 39.2720, 23.2176



29.6697, 39.2720, 51.8100



40.3657, 39.2720, 71.0072



46.1997, 39.2720, 34.8314

Rectangle

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



34.4445, 39.2720, 23.2176



29.6933, 39.2720, 34.6426



40.3657, 39.2720, 71.0072



46.1679, 39.2720, 52.0569

Sweetspot

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



34.4455, 39.2738, 23.2184



68.1970, 73.6246, 67.8717



27.2610, 23.9368, 20.6368



14.7283, 15.9619, 14.3253



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.



34.4455, 39.2738, 23.2184



61.0213, 70.6287, 35.7612



29.3855, 36.6652, 22.9816



8.6172, 9.3067, 8.5556



22.1203, 27.7005, 4.1809



0.6286, 0.7774, 0.1169

Inverse Universe

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



22.0708, 20.3108, 41.7891



34.9567, 30.6814, 74.8854



26.2843, 22.4830, 41.9863



7.6194, 7.7781, 10.0524



5.6481, 2.2716, 29.1853



0.1704, 0.0701, 0.8125

Previews

White Background



This preview shows how the XYZ color 34.4445, 39.2720, 23.2176 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 34.4445, 39.2720, 23.2176 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

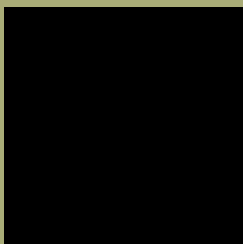
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

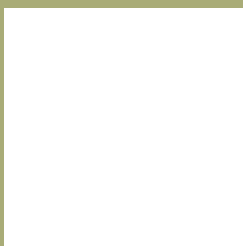
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.4445, 39.2720, 23.2176

Background



This preview shows how black text looks on a background with the XYZ color 34.4445, 39.2720, 23.2176.



This preview shows how white text looks on a background with the XYZ color 34.4445, 39.2720,

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

34.4445, 39.2720, 23.2176

Protanopia

36.5049, 39.2347, 22.4787

Deuteranopia

39.7492, 39.0123, 23.5243



Tritanopia

39.3955, 39.3547, 47.6393

Trichromacy



Original Color

34.4445, 39.2720, 23.2176

Protanomaly

35.5894, 39.0311, 22.7975

Deuteranomaly

37.5843, 38.9577, 23.3080

Tritanomaly

37.3220, 39.3238, 37.5215

Monochromacy



Original Color

34.4445, 39.2720, 23.2176

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

35.0738, 38.2504, 33.5514

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.4445, 39.2720, 23.2176 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(169, 172, 119)` looks like.

```
.text, #text, p{  
    color:rgb(169, 172, 119)  
}
```

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(169, 172, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 172, 119) }
```

Border

The CSS property to change the border of an element to XYZ 34.4445, 39.2720, 23.2176 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(169, 172, 119) }
```


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

```
.border{ border-color:rgb(169, 172, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 172, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 172, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 172, 119);  
box-shadow:4px 4px 4px 4px rgb(169, 172,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 34.4445, 39.2720, 23.2176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 172, 119) }
```

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

```
.background{ background-color: rgb(169,  
172, 119) }
```

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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