

Converting Colors

XYZ(34.2879, 38.6327, 22.2270)

Have a look what the booklet for
XYZ(34.2879, 38.6327, 22.2270)
contains.

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Color

**XYZ(34.3217, 38.6683,
22.1778)**

Conversions

Conversions Part 1

Format	Color
Hex	ABAA74
RGB	171, 170, 116
RGB Percent	67%, 67%, 45%
CMY	0.3294, 0.3333, 0.5451
CMYK	0.00, 0.01, 0.32, 0.33
HSL	59°, 25%, 56%
HSV	59°, 32%, 67%
XYZ	34.3217, 38.6683, 22.1778
YIQ	164.1430, 17.9300, -16.5820

Conversions

Conversions Part 2

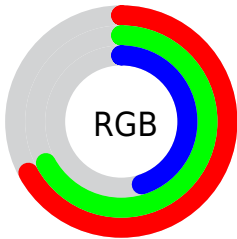
Format	Color
RYB	117, 171, 116
Decimal	11250292
CIELab	68.51, -8.22, 28.03
CIELCh	69, 29.212, 106.336
Yxy	38.6683, 0.3606, 0.4063
Android (android.graphics.Color)	4289440372 (0xFFABAA74)
YUV	164.1430, -23.7345, 6.0136
Hunter-Lab	62.1838, -10.3006, 22.3830

Details

The XYZ color **34.3217, 38.6683, 22.1778** is a light color, and the websafe version is hex **999966**. A complement of this color would be **20.9144, 19.3754, 41.1657**, and the grayscale version is **35.4590, 37.3056, 40.6258**.

A 20% lighter version of the original color is **65.7652, 73.0459, 48.1692**, and **14.9628, 17.2137, 7.8441** is the 20% darker color. If you saturate the color by 10%, you get **33.3596, 38.1921, 17.3933**, and if you desaturate by 10%, it is **35.4690, 39.2216, 27.9283**.

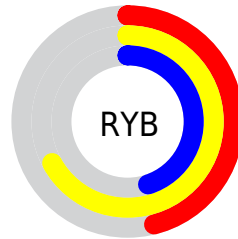
Distribution



Red (67%)

Green (67%)

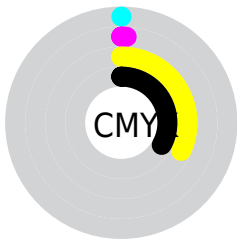
Blue (45%)



Red (46%)

Yellow (67%)

Blue (45%)

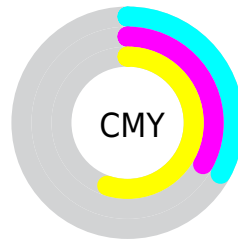


Cyan (0%)

Magenta (1%)

Yellow (32%)

Black (33%)



Cyan (33%)

Magenta (33%)


Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.3217, 38.6683, 22.1778 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 34.3217, 38.6683, 22.1778 by changing the saturation by 10% instead.


 34.3217, 38.6683,
22.1778


 34.3217, 38.6683,
22.1778


313.1249,
340.4782, 276.4571


 23.3049, 26.5018,
13.7880


 65.7746, 73.1313,
47.9456

 14.9407, 17.1994,
7.8363


 86.9414, 96.1966,
66.1608

 8.8639, 10.3768,
3.9041


 112.2223,
123.6636, 88.4882

 4.7089, 5.6495,
1.5729

141.9826,
155.9167, 115.3463

 2.1105, 2.6331,
0.2714

176.5876,
193.3404, 147.1537

 0.6949, 0.9433,
0.0000

216.4028,

 0.0000, 0.0000,

236.3189, 184.3290

0.0000

261.7934,
285.2367, 227.2906

■ 34.3217, 38.6683,
22.1778

■ 34.3217, 38.6683,
22.1778

■ 33.3596, 38.1921,
17.3933

■ 35.4690, 39.2216,
27.9283

■ 32.5698, 37.7836,
13.5195

■ 36.8078, 39.8503,
34.6913

■ 31.9422, 37.4402,
10.4990

■ 38.3479, 40.5598,
42.5134

■ 31.4644, 37.1570,
8.2671

■ 40.0974, 41.3532,
51.4372

■ 31.1225, 36.9283,
6.7497

■ 42.0639, 42.2337,
61.5033

■ 30.8996, 36.7475,
5.8589

■ 44.2548, 43.2041,
72.7501

■ 30.7795, 36.6278,
5.4476

■ 46.6769, 44.2672,
85.2143

■ 49.3370, 45.4258,
98.9309

■ 49.7482, 45.6850,
100.8038

Harmonies

Analogous

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



38.8816, 38.6683, 21.9790



34.3217, 38.6683, 22.1778



30.7205, 38.6683, 26.9278

Triad

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



34.3217, 38.6683, 22.1778



30.9800, 38.6683, 63.2073



46.0318, 38.6683, 48.3730

Complementary

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



34.3217, 38.6683, 22.1778



20.9144, 19.3754, 41.1657

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.



43.5277, 38.6683, 62.1188



34.3217, 38.6683, 22.1778



34.7036, 38.6683, 71.8146

Square

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



34.3217, 38.6683, 22.1778



28.9041, 38.6683, 49.6351



39.2966, 38.6683, 71.3791



45.9080, 38.6683, 35.3746

Rectangle

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



34.3217, 38.6683, 22.1778



29.2347, 38.6683, 32.7352



39.2966, 38.6683, 71.3791



45.4611, 38.6683, 53.1070

Sweetspot

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



34.3227, 38.6700, 22.1786



66.4395, 71.6104, 64.7590



26.3005, 22.4532, 20.0359



14.7364, 15.9324, 14.0369



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.



34.3227, 38.6700, 22.1786



60.1423, 68.5997, 33.1144



29.4515, 36.4371, 22.0043



8.6501, 9.3049, 8.5535



23.2076, 27.6207, 4.1082



0.6494, 0.7760, 0.1156

Inverse Universe

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



20.9144, 19.3754, 41.1657



32.1401, 28.3056, 72.7714



24.6947, 21.1529, 41.3096



7.5901, 7.7796, 10.0543



5.5709, 2.2757, 29.1901



0.1587, 0.0707, 0.8133

Previews

White Background



This preview shows how the XYZ color 34.3217, 38.6683, 22.1778 looks on a white background.

Color Contrast Check

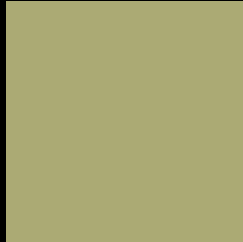
Large Text (above 18pt) WCAG AA × Fail

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 34.3217, 38.6683, 22.1778 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

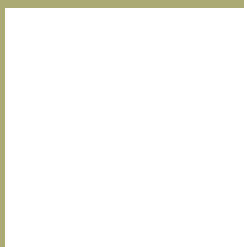
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.3217, 38.6683, 22.1778

Background



This preview shows how black text looks on a background with the XYZ color 34.3217, 38.6683, 22.1778.



This preview shows how white text looks on a background with the XYZ color 34.3217, 38.6683,

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

34.3217, 38.6683, 22.1778

Protanopia

35.9693, 38.6990, 21.7935

Deuteranopia

39.3940, 38.5917, 22.5122



Tritanopia

39.1952, 38.7545, 45.9720

Trichromacy



Original Color

34.3217, 38.6683, 22.1778

Protanomaly

35.2286, 38.5902, 21.8116

Deuteranomaly

37.4726, 38.6541, 22.3156

Tritanomaly

37.1481, 38.7195, 36.0875

Monochromacy



Original Color

34.3217, 38.6683, 22.1778

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

34.8390, 37.5945, 33.0240

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.3217, 38.6683, 22.1778 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(171, 170, 116)` looks like.

```
.text, #text, p{  
    color:rgb(171, 170, 116)  
}
```

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(171, 170, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 170, 116) }
```

Border

The CSS property to change the border of an element to XYZ 34.3217, 38.6683, 22.1778 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(171, 170, 116) }
```


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

```
.border{ border-color:rgb(171, 170, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 170, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 170, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 170, 116);  
box-shadow:4px 4px 4px 4px rgb(171, 170,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 34.3217, 38.6683, 22.1778 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 170, 116) }
```

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

```
.background{ background-color: rgb(171,  
170, 116) }
```

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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