

Converting Colors

XYZ(34.3337, 38.9784, 22.2540)

Have a look what the booklet for
XYZ(34.3337, 38.9784, 22.2540)
contains.

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Color

**XYZ(34.2929, 38.9328,
22.2304)**

Conversions

Conversions Part 1

Format	Color
Hex	AAAB74
RGB	170, 171, 116
RGB Percent	67%, 67%, 45%
CMY	0.3333, 0.3294, 0.5451
CMYK	0.01, 0.00, 0.32, 0.33
HSL	61°, 25%, 56%
HSV	61°, 32%, 67%
XYZ	34.2929, 38.9328, 22.2304
YIQ	164.4310, 17.0590, -17.3170

Conversions

Conversions Part 2

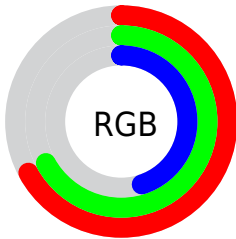
Format	Color
RYB	116, 171, 117
Decimal	11185012
CIELab	68.70, -9.14, 28.27
CIElCh	69, 29.714, 107.925
Yxy	38.9328, 0.3593, 0.4079
Android (android.graphics.Color)	4289375092 (0xFFAAAB74)
YUV	164.4310, -23.8765, 4.8840
Hunter-Lab	62.3962, -11.0897, 22.5536

Details

The XYZ color **34.2929, 38.9328, 22.2304** is a light color, and the websafe version is hex **999966**. A complement of this color would be **20.9336, 19.2140, 41.1356**, and the grayscale version is **35.5975, 37.4514, 40.7845**.

A 20% lighter version of the original color is **65.7218, 73.4260, 48.2448**, and **14.9461, 17.3808, 7.8773** is the 20% darker color. If you saturate the color by 10%, you get **33.3214, 38.5378, 17.4620**, and if you desaturate by 10%, it is **35.4497, 39.4047, 27.9649**.

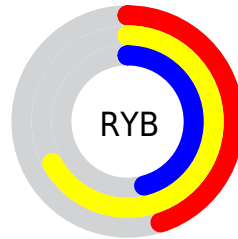
Distribution



Red (67%)

Green (67%)

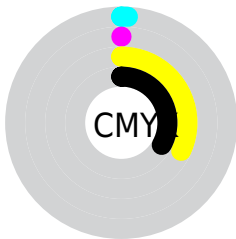
Blue (45%)



Red (45%)

Yellow (67%)

Blue (46%)

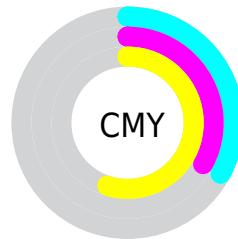


Cyan (1%)

Magenta (0%)

Yellow (32%)

Black (33%)



Cyan (33%)


Magenta (33%)


Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.2929, 38.9328, 22.2304 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 34.2929, 38.9328, 22.2304 by changing the saturation by 10% instead.


 34.2929, 38.9328,
22.2304


 34.2929, 38.9328,
22.2304


312.9991,
341.6047, 276.7398


 23.2827, 26.7075,
13.8264


 65.7302, 73.5356,
48.0336

 14.9242, 17.3536,
7.8626


 86.8879, 96.6819,
66.2698

 8.8522, 10.4869,
3.9207


 112.1588,
124.2373, 88.6205

 4.7012, 5.7230,
1.5819

141.9083,
156.5862, 115.5041

 2.1060, 2.6774,
0.2779

176.5018,
194.1130, 147.3394

 0.6925, 0.9657,
0.0000

216.3045,

 0.0000, 0.0000,

237.2021, 184.5447

0.0000

261.6818,
286.2379, 227.5387

■ 34.2929, 38.9328,
22.2304

■ 34.2929, 38.9328,
22.2304

■ 33.3214, 38.5378,
17.4620

■ 35.4497, 39.4047,
27.9649

■ 32.5222, 38.2103,
13.6042

■ 36.7980, 39.9518,
34.7119

■ 31.8851, 37.9478,
10.5998


■ 38.3477, 40.5795,
42.5179


■ 31.3980, 37.7452,
8.3839


■ 40.1067, 41.2910,
51.4257


■ 31.0468, 37.5970,
6.8826


■ 42.0828, 42.0893,
61.4758


 30.8146, 37.4964,
6.0078

 44.2833, 42.9774,
72.7067

 30.6873, 37.4395,
5.6091

 46.7152, 43.9581,
85.1549

 49.3850, 45.0340,
98.8556

 49.8052, 45.2100,
100.7091

Harmonies

Analogous

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



38.9269, 38.9328, 21.7889



34.2929, 38.9328, 22.2304



30.6952, 38.9328, 27.3087

Triad

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



34.2929, 38.9328, 22.2304



31.2743, 38.9328, 64.6440



46.5612, 38.9328, 48.0379

Complementary

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



34.2929, 38.9328, 22.2304



20.9336, 19.2140, 41.1356

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.



44.1240, 38.9328, 62.2018



34.2929, 38.9328, 22.2304



35.1464, 38.9328, 73.0620

Square

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



34.2929, 38.9328, 22.2304



29.0566, 38.9328, 50.8638



39.8553, 38.9328, 72.0840



46.2836, 38.9328, 34.9160

Rectangle

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



34.2929, 38.9328, 22.2304



29.2475, 38.9328, 33.3913



39.8553, 38.9328, 72.0840



46.0243, 38.9328, 52.8783

Sweetspot

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



34.2939, 38.9346, 22.2312



66.4222, 71.7595, 64.7887



26.2998, 22.6230, 19.5041



14.7321, 15.9701, 14.0444



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.



34.2939, 38.9346, 22.2312



60.0750, 69.1794, 33.2298



28.9724, 36.1913, 21.9822



8.6480, 9.3226, 8.5570



23.1375, 28.2249, 4.2285



0.6481, 0.7875, 0.1178

Inverse Universe

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



20.9336, 19.2140, 41.1356



32.1760, 27.9962, 72.7098



25.1718, 21.3988, 41.3339



7.5919, 7.7639, 10.0511



5.5757, 2.2343, 29.1819



0.1594, 0.0644, 0.8120

Previews

White Background



This preview shows how the XYZ color 34.2929, 38.9328, 22.2304 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 34.2929, 38.9328, 22.2304 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

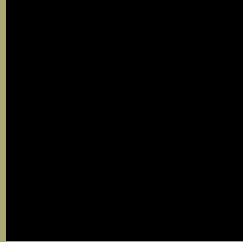
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.2929, 38.9328, 22.2304

Background



This preview shows how black text looks on a background with the XYZ color 34.2929, 38.9328, 22.2304.



This preview shows how white text looks on a background with the XYZ color 34.2929, 38.9328,

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

34.2929, 38.9328, 22.2304

Protanopia

35.9693, 38.6990, 21.7935

Deuteranopia

39.3940, 38.5917, 22.5122



Tritanopia

39.0651, 38.6761, 46.4806

Trichromacy



Original Color

34.2929, 38.9328, 22.2304

Protanomaly

35.2286, 38.5902, 21.8116

Deuteranomaly

37.2254, 38.5266, 22.3040

Tritanomaly

36.9245, 38.6042, 36.0771

Monochromacy



Original Color

34.2929, 38.9328, 22.2304

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

34.8111, 37.8510, 33.0750

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.2929, 38.9328, 22.2304 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(170, 171, 116)` looks like.

```
.text, #text, p{  
    color:rgb(170, 171, 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(170, 171, 116) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 34.2929, 38.9328, 22.2304 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(170, 171, 116) }
```


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

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

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

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

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

Background

The CSS property to change the background color of an element to XYZ 34.2929, 38.9328, 22.2304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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