

Converting Colors

XYZ(33.0285, 38.8659, 21.3839)

Have a look what the booklet for
XYZ(33.0285, 38.8659, 21.3839)
contains.

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Color

**XYZ(33.0285, 38.8659,
21.3839)**

Conversions

Conversions Part 1

Format	Color
Hex	A3AD71
RGB	163, 173, 113
RGB Percent	64%, 68%, 44%
CMY	0.3608, 0.3216, 0.5569
CMYK	0.06, 0.00, 0.35, 0.32
HSL	70°, 27%, 56%
HSV	70°, 35%, 68%
XYZ	33.0285, 38.8659, 21.3839
YIQ	163.1700, 13.3000, -20.7800

Conversions

Conversions Part 2

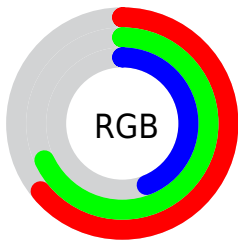
Format	Color
RYB	113, 173, 123
Decimal	10726769
CIELab	68.65, -13.37, 29.70
CIELCh	69, 32.570, 114.227
Yxy	38.8659, 0.3541, 0.4167
Android (android.graphics.Color)	4288916849 (0xFFA3AD71)
YUV	163.1700, -24.7338, -0.1491
Hunter-Lab	62.3425, -14.5317, 23.3029

Details

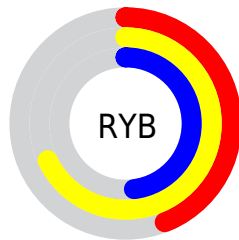
The XYZ color **33.0285, 38.8659, 21.3839** is a light color, and the websafe version is hex **999966**. A complement of this color would be **21.6178, 19.0394, 42.0729**, and the grayscale version is **35.0027, 36.8256, 40.1031**.

A 20% lighter version of the original color is **63.7484, 73.2635, 46.3787**, and **14.1932, 17.3599, 7.4532** is the 20% darker color. If you saturate the color by 10%, you get **31.5624, 38.2134, 16.7068**, and if you desaturate by 10%, it is **34.6957, 39.6031, 27.0412**.

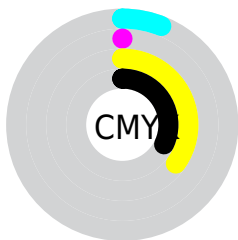
Distribution



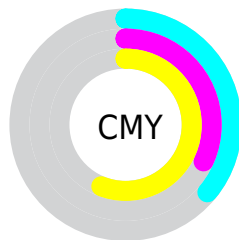
- Red (64%)
- Green (68%)
- Blue (44%)



- Red (44%)
- Yellow (68%)
- Blue (48%)



- Cyan (6%)
- Magenta (0%)
- Yellow (35%)
- Black (32%)





- Cyan (36%)
- Magenta (32%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.0285, 38.8659, 21.3839 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 33.0285, 38.8659, 21.3839 by changing the saturation by 10% instead.


 33.0285, 38.8659,
21.3839


 33.0285, 38.8659,
21.3839


307.4409,
341.3200, 272.1595


 22.3076, 26.6554,
13.2109


 63.7744, 73.4334,
46.6146


 14.2010, 17.3146,
7.4415


 84.5301, 96.5592,
64.5095

 8.3432, 10.4591,
3.6571

 109.3615,
124.0923, 86.4821

 4.3690, 5.7044,
1.4392

 138.6339,
156.4170, 112.9509

 1.9129, 2.6662,
0.1720

172.7127,
193.9177, 144.3345

 0.5843, 0.9600,
0.0000

211.9632,

 0.0000, 0.0000,

236.9789, 181.0514

0.0000

256.7508,
285.9848, 223.5202

■ 33.0285, 38.8659,
21.3839

■ 33.0285, 38.8659,
21.3839

■ 31.5624, 38.2134,
16.7068

■ 34.6957, 39.6031,
27.0412

■ 30.2838, 37.6360,
12.9517

■ 36.5710, 40.4238,
33.7275

■ 29.1820, 37.1309,
10.0580

■ 38.6644, 41.3334,
41.4914

■ 28.2438, 36.6928,
7.9570

■ 40.9846, 42.3352,
50.3778

■ 27.4541, 36.3156,
6.5695

■ 43.5396, 43.4325,
60.4287

■ 26.7945, 35.9919,
5.7991

■ 46.3372, 44.6285,
71.6843

■ 26.4740, 35.8325,
5.5210

■ 49.3847, 45.9260,
84.1827

■ 52.6890, 47.3280,
97.9603

■ 53.9707, 47.9224,
101.0131

Harmonies

Analogous

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



37.9449, 38.8659, 19.9266



33.0285, 38.8659, 21.3839



29.4822, 38.8659, 27.8235

Triad

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



33.0285, 38.8659, 21.3839



31.4546, 38.8659, 69.7166



47.6828, 38.8659, 45.2326

Complementary

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



33.0285, 38.8659, 21.3839



21.6178, 19.0394, 42.0729

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.



45.5620, 38.8659, 61.1341



33.0285, 38.8659, 21.3839



35.9547, 38.8659, 77.2262

Square

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



33.0285, 38.8659, 21.3839



28.6343, 38.8659, 55.0408



41.1506, 38.8659, 73.7678



46.7160, 38.8659, 31.7250

Rectangle

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



33.0285, 38.8659, 21.3839



28.2155, 38.8659, 35.0750



41.1506, 38.8659, 73.7678



47.3017, 38.8659, 50.4960

Sweetspot

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



33.0295, 38.8676, 21.3847



67.1342, 73.1076, 66.4251



27.2985, 24.2435, 18.8640



14.4806, 15.8405, 14.0326



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.



33.0295, 38.8676, 21.3847



57.0087, 68.6520, 31.4191



27.5984, 36.0678, 21.1306



8.5296, 9.2616, 8.5515



19.4893, 26.3442, 4.0577



0.5764, 0.7505, 0.1145

Inverse Universe

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



21.6178, 19.0394, 42.0729



33.3419, 27.5079, 74.3580



26.5861, 21.6006, 42.3054



7.6987, 7.8190, 10.0561



5.9443, 2.4243, 29.1991



0.2020, 0.0864, 0.8140

Previews

White Background



This preview shows how the XYZ color 33.0285, 38.8659, 21.3839 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 33.0285, 38.8659, 21.3839 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

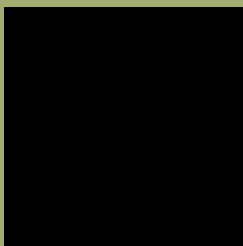
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.0285, 38.8659, 21.3839

Background



This preview shows how black text looks on a background with the XYZ color 33.0285, 38.8659, 21.3839.



This preview shows how white text looks on a background with the XYZ color 33.0285, 38.8659,

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

33.0285, 38.8659, 21.3839

Protanopia

35.9794, 38.7302, 20.6183

Deuteranopia

39.5426, 38.6819, 21.9052



Tritanopia

38.2856, 38.7825, 47.5874

Trichromacy



Original Color

33.0285, 38.8659, 21.3839

Protanomaly

34.7918, 38.6597, 20.9576

Deuteranomaly

37.0432, 38.7129, 21.7396

Tritanomaly

35.9838, 38.6632, 36.1380

Monochromacy



Original Color

33.0285, 38.8659, 21.3839

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

34.0338, 37.4683, 32.2264

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.0285, 38.8659, 21.3839 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(163, 173, 113)` looks like.

```
.text, #text, p{  
    color:rgb(163, 173, 113)  
}
```

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(163, 173, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 173, 113) }
```

Border

The CSS property to change the border of an element to XYZ 33.0285, 38.8659, 21.3839 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(163, 173, 113) }
```


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

```
.border{ border-color:rgb(163, 173, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 173, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 173, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 173, 113);  
box-shadow:4px 4px 4px 4px rgb(163, 173,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 33.0285, 38.8659, 21.3839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 173, 113) }
```

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

```
.background{ background-color: rgb(163,  
173, 113) }
```

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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