

Converting Colors

XYZ(33.1831, 33.3836, 38.2883)

Have a look what the booklet for
XYZ(33.1831, 33.3836, 38.2883)
contains.

XYZ(33.1341, 33.2482, 38.3894)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(33.1341, 33.2482,
38.3894)**

Conversions

Conversions Part 1

Format	Color
Hex	A499A1
RGB	164, 153, 161
RGB Percent	64%, 60%, 63%
CMY	0.3569, 0.4000, 0.3686
CMYK	0.00, 0.07, 0.02, 0.36
HSL	316°, 6%, 62%
HSV	316°, 7%, 64%
XYZ	33.1341, 33.2482, 38.3894
YIQ	157.2010, 3.9880, 4.8200

Conversions

Conversions Part 2

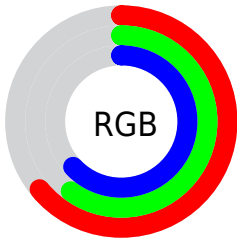
Format	Color
RYB	164, 153, 161
Decimal	10787233
CIELab	64.36, 5.51, -2.74
CIELCh	64, 6.154, 333.595
Yxy	33.2482, 0.3163, 0.3173
Android (android.graphics.Color)	4288977313 (0xFFA499A1)
YUV	157.2010, 1.8729, 5.9627
Hunter-Lab	57.6613, 1.6649, 0.8891

Details

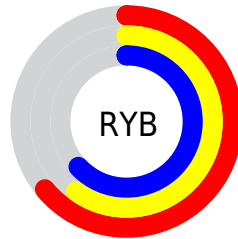
The XYZ color **33.1341, 33.2482, 38.3894** is a light color, and the websafe version is hex **999999**. A complement of this color would be **32.4143, 35.7244, 36.6413**, and the grayscale version is **32.1297, 33.8029, 36.8114**.

A 20% lighter version of the original color is **63.9209, 64.6436, 74.0742**, and **14.2479, 14.0733, 16.7173** is the 20% darker color. If you saturate the color by 10%, you get **30.2450, 28.0897, 35.5148**, and if you desaturate by 10%, it is **36.4082, 39.1531, 41.4628**.

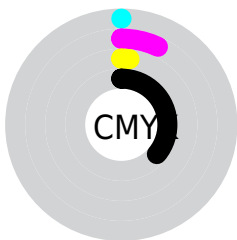
Distribution



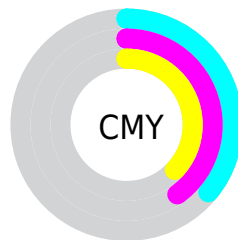
- Red (64%)
- Green (60%)
- Blue (63%)



- Red (64%)
- Yellow (60%)
- Blue (63%)



- Cyan (0%)
- Magenta (7%)
- Yellow (2%)
- Black (36%)



- Cyan (36%)
- Magenta (40%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.1341, 33.2482, 38.3894 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 33.1341, 33.2482, 38.3894 by changing the saturation by 10% instead.

■ 33.1341, 33.2482,
38.3894

■ 33.1341, 33.2482,
38.3894

307.9079,
316.7667, 354.6356

■ 22.3889, 22.3167,
25.9809

■ 63.9381, 64.7628,
73.9146

■ 14.2612, 14.0898,
16.5837

■ 84.7277, 86.1147,
97.8684

■ 8.3854, 8.1831,
9.7793

109.5960,
111.7088, 126.5077

■ 4.3964, 4.2123,
5.1492

138.9086,
141.9296, 160.2510

■ 1.9288, 1.7930,
2.2748

173.0307,
177.1613, 199.5169

■ 0.5935, 0.4828,
0.7170

212.3277,

■ 0.0000, 0.0000,

217.7885, 244.7240

0.0000

257.1650,
264.1955, 296.2907

■ 33.1341, 33.2482,
38.3894

■ 33.1341, 33.2482,
38.3894

■ 30.2450, 28.0897,
35.5148

■ 36.4082, 39.1531,
41.4628

■ 27.7229, 23.6434,
32.8311

■ 40.0786, 45.8283,
44.7382

■ 25.5527, 19.8786,
30.3329

■ 44.1598, 53.3021,
48.2217

■ 23.7169, 16.7609,
28.0137

■ 48.6647, 61.6000,
51.9181

■ 22.1968, 14.2529,
25.8664

■ 53.6055, 70.7462,
55.8323

■ 20.9716, 12.3131,
23.8833

■ 58.9941, 80.7642,
59.9688

■ 20.0177, 10.8951,
22.0559

■ 60.6198, 83.2325,
62.9248

■ 19.3083, 9.9450,
20.3743

■ 61.1243, 83.4343,
65.5814

■ 18.8037, 9.3839,
18.8246

■ 61.6440, 83.6422,
68.3182

Harmonies

Analogous

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



32.5425, 33.2482, 40.3700



33.1341, 33.2482, 38.3894



33.3123, 33.2482, 35.9000

Triad

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



33.1341, 33.2482, 38.3894



31.4959, 33.2482, 31.5978



30.2191, 33.2482, 38.9368

Complementary

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



33.1341, 33.2482, 38.3894



32.4143, 35.7244, 36.6413

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.



29.9501, 33.2482, 36.5049



33.1341, 33.2482, 38.3894



30.6786, 33.2482, 32.3305

Square

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



33.1341, 33.2482, 38.3894



32.3564, 33.2482, 32.0508



30.1167, 33.2482, 34.0986



30.8583, 33.2482, 40.6962

Rectangle

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



33.1341, 33.2482, 38.3894



33.1701, 33.2482, 34.3050



30.1167, 33.2482, 34.0986



30.0830, 33.2482, 38.1669

Sweetspot

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



33.1351, 33.2496, 38.3901



62.8300, 65.1837, 72.2419



31.7908, 32.5257, 39.7250



13.7512, 14.2780, 15.8079



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



33.1351, 33.2496, 38.3901



59.3445, 58.9173, 68.9076



32.6663, 33.0621, 35.9218



7.2815, 7.1690, 8.4687



14.3247, 7.0859, 14.1665



0.3192, 0.1562, 0.3934

Inverse Universe

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



33.1351, 33.2496, 38.3901



59.3445, 58.9173, 68.9076



32.8847, 35.9126, 39.1183



7.2815, 7.1690, 8.4687



14.3247, 7.0859, 14.1665



0.3192, 0.1562, 0.3934

Previews

White Background



This preview shows how the XYZ color 33.1341, 33.2482, 38.3894 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 33.1341, 33.2482, 38.3894 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 33.1341, 33.2482, 38.3894

Background



This preview shows how black text looks on a background with the XYZ color 33.1341, 33.2482, 38.3894.



This preview shows how white text looks on a background with the XYZ color 33.1341, 33.2482,

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

33.1341, 33.2482, 38.3894

Protanopia

32.1476, 33.2194, 38.9001

Deuteranopia

33.8618, 33.1414, 38.3304



Tritanopia

33.4461, 33.1361, 39.7551

Trichromacy



Original Color

33.1341, 33.2482, 38.3894

Protanomaly

32.5744, 33.1934, 38.8725

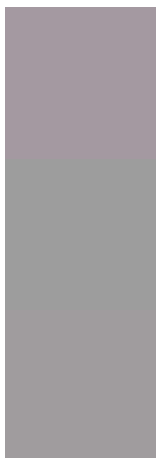
Deuteranomaly

33.5976, 33.2452, 38.3644

Tritanomaly

33.3561, 33.1001, 39.2812

Monochromacy



Original Color

33.1341, 33.2482, 38.3894

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

32.5572, 33.7191, 37.1402

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1341, 33.2482, 38.3894 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(164, 153, 161)` looks like.

```
.text, #text, p{  
    color:rgb(164, 153, 161)  
}
```

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(164, 153, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 153, 161) }
```

Border

The CSS property to change the border of an element to XYZ 33.1341, 33.2482, 38.3894 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(164, 153, 161) }
```


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

```
.border{ border-color:rgb(164, 153, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 153, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 153, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 153, 161);  
box-shadow:4px 4px 4px 4px rgb(164, 153,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1341, 33.2482, 38.3894 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 153, 161) }
```

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

```
.background{ background-color: rgb(164,  
153, 161) }
```

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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