

Converting Colors

XYZ(33.5050, 31.7889, 38.0847)

Have a look what the booklet for
XYZ(33.5050, 31.7889, 38.0847)
contains.

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Color

**XYZ(33.5065, 31.7889,
38.0881)**

Conversions

Conversions Part 1

Format	Color
Hex	AB92A1
RGB	171, 146, 161
RGB Percent	67%, 57%, 63%
CMY	0.3294, 0.4274, 0.3686
CMYK	0.00, 0.15, 0.06, 0.33
HSL	324°, 13%, 62%
HSV	324°, 15%, 67%
XYZ	33.5065, 31.7889, 38.0881
YIQ	155.1850, 10.0850, 9.9650

Conversions

Conversions Part 2

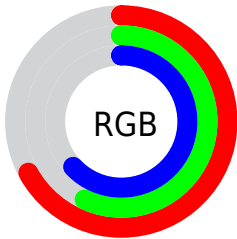
Format	Color
RYB	171, 146, 161
Decimal	11244193
CIELab	63.17, 11.97, -4.42
CIElCh	63, 12.760, 339.716
Yxy	31.7889, 0.3241, 0.3075
Android (android.graphics.Color)	4289434273 (0xFFAB92A1)
YUV	155.1850, 2.8668, 13.8698
Hunter-Lab	56.3816, 7.4111, -0.5857

Details

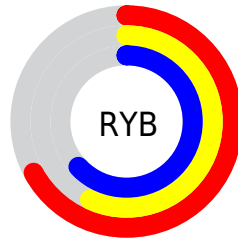
The XYZ color **33.5065, 31.7889, 38.0881** is a light color, and the websafe version is hex **999999**. A complement of this color would be **32.4190, 37.6380, 37.0105**, and the grayscale version is **31.2229, 32.8490, 35.7725**.

A 20% lighter version of the original color is **64.4130, 62.4352, 73.6220**, and **14.5144, 13.2321, 16.5409** is the 20% darker color. If you saturate the color by 10%, you get **30.4785, 26.6717, 34.1836**, and if you desaturate by 10%, it is **36.9636, 37.7107, 42.2993**.

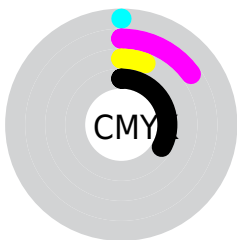
Distribution



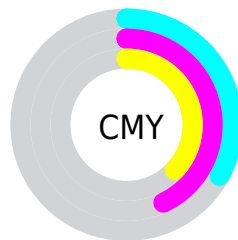
- Red (67%)
- Green (57%)
- Blue (63%)



- Red (67%)
- Yellow (57%)
- Blue (63%)



- Cyan (0%)
- Magenta (15%)
- Yellow (6%)
- Black (33%)



- Cyan (33%)
- Magenta (43%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.5065, 31.7889, 38.0881 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 33.5065, 31.7889, 38.0881 by changing the saturation by 10% instead.

■ 33.5065, 31.7889,
38.0881

■ 33.5065, 31.7889,
38.0881

309.5507,
310.1565, 353.3073

■ 22.6758, 21.2003,
25.7487

■ 64.5149, 62.4800,
73.4481

■ 14.4737, 13.2705,
16.4117

■ 85.4233, 83.3513,
97.3057

■ 8.5348, 7.6151,
9.6584

110.4217,
108.4190, 125.8399

■ 4.4937, 3.8496,
5.0704

139.8755,
138.0674, 159.4691

■ 1.9850, 1.5898,
2.2292

174.1499,
172.6810, 198.6119

■ 0.6255, 0.3507,
0.6911

213.6103,

■ 0.0000, 0.0000,

212.6441, 243.6869

0.0000

258.6221,
258.3411, 295.1125

■ 33.5065, 31.7889,
38.0881

■ 33.5065, 31.7889,
38.0881

■ 30.4785, 26.6717,
34.1836

■ 36.9636, 37.7107,
42.2993

■ 27.8589, 22.3198,
30.5751

■ 40.8641, 44.4658,
46.8232

■ 25.6294, 18.6968,
27.2543

■ 45.2246, 52.0866,
51.6684

■ 23.7689, 15.7618,
24.2115

■ 50.0603, 60.6027,
56.8423

■ 22.2547, 13.4698,
21.4362

■ 55.3857, 70.0421,
62.3519

■ 21.0609, 11.7703,
18.9171

■ 61.2145, 80.4317,
68.2043

■ 20.1581, 10.6052,
16.6413

■ 64.0494, 84.7759,
73.2360

■ 19.5105, 9.9041,
14.5939

■ 64.9143, 85.1218,
77.7903

■ 19.2226, 9.6291,
13.5704

■ 65.8160, 85.4825,
82.5386

Harmonies

Analogous

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



32.4324, 31.7889, 42.6295



33.5065, 31.7889, 38.0881



33.6799, 31.7889, 33.0001

Triad

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



33.5065, 31.7889, 38.0881



29.6459, 31.7889, 25.8993



27.6814, 31.7889, 41.1934

Complementary

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



33.5065, 31.7889, 38.0881



32.4190, 37.6380, 37.0105

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.



26.9952, 31.7889, 36.2770



33.5065, 31.7889, 38.0881



28.0999, 31.7889, 27.6698

Square

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



33.5065, 31.7889, 38.0881



31.4047, 31.7889, 26.2825



27.1453, 31.7889, 31.3554



29.0545, 31.7889, 44.5397

Rectangle

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



33.5065, 31.7889, 38.0881



33.2548, 31.7889, 30.0203



27.1453, 31.7889, 31.3554



27.3652, 31.7889, 39.6511

Sweetspot

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



33.5074, 31.7903, 38.0888



66.5607, 68.1600, 76.1837



31.3411, 30.5675, 42.7768



14.7347, 15.0128, 16.8604



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.



33.5074, 31.7903, 38.0888



57.9146, 53.3780, 65.5634



32.4596, 31.3712, 32.5709



8.1993, 8.0930, 9.3605



14.5173, 7.2695, 10.3696



0.4299, 0.2127, 0.4257

Inverse Universe

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



33.5074, 31.7903, 38.0888



57.9146, 53.3780, 65.5634



33.5326, 38.0834, 42.8746



8.1993, 8.0930, 9.3605



14.5173, 7.2695, 10.3696



0.4299, 0.2127, 0.4257

Previews

White Background



This preview shows how the XYZ color 33.5065, 31.7889, 38.0881 looks on a white background.

Color Contrast Check

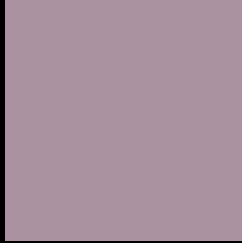
Large Text (above 18pt) WCAG AA × Fail

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 33.5065, 31.7889, 38.0881 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

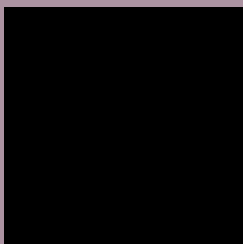
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.5065, 31.7889, 38.0881

Background



This preview shows how black text looks on a background with the XYZ color 33.5065, 31.7889, 38.0881.



This preview shows how white text looks on a background with the XYZ color 33.5065, 31.7889,

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

33.5065, 31.7889, 38.0881

Protanopia

30.9687, 31.8485, 40.1125

Deuteranopia

32.3328, 31.6455, 38.1223



Tritanopia

33.3999, 31.9940, 36.7628

Trichromacy



Original Color

33.5065, 31.7889, 38.0881

Protanomaly

31.9053, 31.8640, 39.5907

Deuteranomaly

32.8031, 31.6561, 38.0995

Tritanomaly

33.4863, 32.0286, 37.2181

Monochromacy



Original Color

33.5065, 31.7889, 38.0881

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

32.0120, 32.4679, 36.4780

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5065, 31.7889, 38.0881 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, 146, 161)` looks like.

```
.text, #text, p{  
    color:rgb(171, 146, 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(171, 146, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 146, 161) }
```

Border

The CSS property to change the border of an element to XYZ 33.5065, 31.7889, 38.0881 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, 146, 161) }
```


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

```
.border{ border-color:rgb(171, 146, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 146, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 146, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 146, 161);  
box-shadow:4px 4px 4px 4px rgb(171, 146,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5065, 31.7889, 38.0881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 146, 161) }
```

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

```
.background{ background-color: rgb(171,  
146, 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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