

Converting Colors

XYZ(33.2065, 31.7690, 42.4121)

Have a look what the booklet for
XYZ(33.2065, 31.7690, 42.4121)
contains.

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Color

**XYZ(33.2065, 31.7690,
42.4121)**

Conversions

Conversions Part 1

Format	Color
Hex	A593AA
RGB	165, 147, 170
RGB Percent	65%, 58%, 67%
CMY	0.3529, 0.4235, 0.3333
CMYK	0.03, 0.14, 0.00, 0.33
HSL	287°, 12%, 62%
HSV	287°, 14%, 67%
XYZ	33.2065, 31.7690, 42.4121
YIQ	155.0040, 3.3450, 10.9690

Conversions

Conversions Part 2

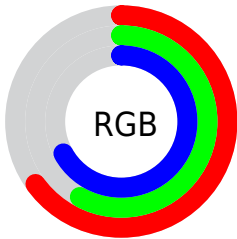
Format	Color
RYB	165, 147, 170
Decimal	10851242
CIELab	63.15, 10.98, -9.59
CIELCh	63, 14.584, 318.859
Yxy	31.7690, 0.3092, 0.2958
Android (android.graphics.Color)	4289041322 (0xFFA593AA)
YUV	155.0040, 7.3930, 8.7665
Hunter-Lab	56.3640, 6.5252, -5.1590

Details

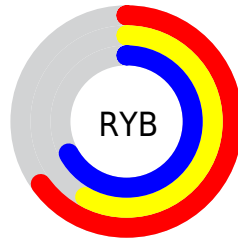
The XYZ color **33.2065, 31.7690, 42.4121** is a light color, and the websafe version is hex **999999**. A complement of this color would be **32.5911, 37.5322, 33.1319**, and the grayscale version is **31.1255, 32.7465, 35.6609**.

A 20% lighter version of the original color is **63.9925, 62.4252, 79.9107**, and **14.2629, 13.1845, 18.9327** is the 20% darker color. If you saturate the color by 10%, you get **29.9986, 26.4774, 41.5603**, and if you desaturate by 10%, it is **36.8292, 37.8561, 43.3966**.

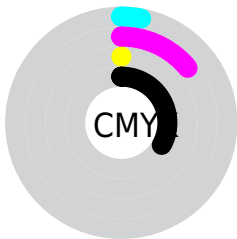
Distribution



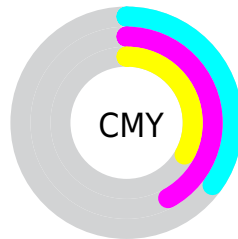
- Red (65%)
- Green (58%)
- Blue (67%)



- Red (65%)
- Yellow (58%)
- Blue (67%)



- Cyan (3%)
- Magenta (14%)
- Yellow (0%)
- Black (33%)



- Cyan (35%)
- Magenta (42%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.2065, 31.7690, 42.4121 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 33.2065, 31.7690, 42.4121 by changing the saturation by 10% instead.

■ 33.2065, 31.7690,
42.4121

■ 33.2065, 31.7690,
42.4121

308.2278,
310.0656, 372.0383

■ 22.4447, 21.1851,
29.0961

■ 64.0503, 62.4488,
80.0998

■ 14.3024, 13.2594,
18.9074

■ 84.8630, 83.3135,
105.3085

■ 8.4144, 7.6074,
11.4272

109.7567,
108.3739, 135.3186

■ 4.4153, 3.8448,
6.2372

139.0968,
138.0144, 170.5486

■ 1.9396, 1.5871,
2.9187

173.2486,
172.6195, 211.4171

■ 0.5997, 0.3489,
1.0533

212.5774,

■ 0.0000, 0.0000,

212.5734, 258.3425

0.0000

257.4487,
258.2607, 311.7434

■ 33.2065, 31.7690,
42.4121

■ 33.2065, 31.7690,
42.4121

■ 29.9986, 26.4774,
41.5603

■ 36.8292, 37.8561,
43.3966

■ 27.1853, 21.9430,
40.8333

■ 40.8801, 44.7668,
44.5170

■ 24.7491, 18.1303,
40.2258

■ 45.3753, 52.5327,
45.7790

■ 22.6700, 14.9996,
39.7311

■ 50.3295, 61.1826,
47.1875

■ 20.9259, 12.5069,
39.3419

■ 55.7564, 70.7441,
48.7470

■ 19.4921, 10.6036,
39.0501

■ 61.6693, 81.2432,
50.4619

■ 18.3406, 9.2333,
38.8463

■ 64.4693, 85.4820,
51.1325

■ 17.4375, 8.3289,
38.7193

■ 65.4097, 85.9668,
51.1765

■ 16.9356, 7.8925,
38.6615

■ 66.3738, 86.4638,
51.2216

Harmonies

Analogous

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



31.4645, 31.7690, 46.1825



33.2065, 31.7690, 42.4121



34.1563, 31.7690, 36.7784

Triad

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



33.2065, 31.7690, 42.4121



30.9499, 31.7690, 24.8113



26.6774, 31.7690, 38.3010

Complementary

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



33.2065, 31.7690, 42.4121



32.5911, 37.5322, 33.1319

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.



26.5534, 31.7690, 32.4922



33.2065, 31.7690, 42.4121



28.9610, 31.7690, 25.1222

Square

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



33.2065, 31.7690, 42.4121



32.8154, 31.7690, 26.8935



27.3722, 31.7690, 27.7959



27.7189, 31.7690, 43.6328

Rectangle

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



33.2065, 31.7690, 42.4121



34.1854, 31.7690, 32.9111



27.3722, 31.7690, 27.7959



26.5288, 31.7690, 36.3272

Sweetspot

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



33.2074, 31.7704, 42.4128



66.4442, 68.0456, 78.6340



30.5774, 31.6823, 42.5344



14.7039, 14.9826, 17.5046



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.



33.2074, 31.7704, 42.4128



58.5688, 54.8493, 76.5019



33.7010, 32.0903, 39.4775



7.6800, 7.5831, 9.4773



12.5064, 5.8307, 28.4418



0.3430, 0.1618, 0.6938

Inverse Universe

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



32.6798, 31.6818, 34.0998



57.4574, 54.6713, 58.6048



32.1692, 37.2576, 35.6920



7.5954, 7.5680, 8.1866



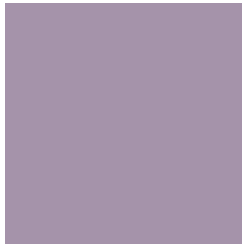
12.4574, 6.3917, 1.9545



0.3210, 0.1627, 0.1418

Previews

White Background



This preview shows how the XYZ color 33.2065, 31.7690, 42.4121 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 33.2065, 31.7690, 42.4121 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

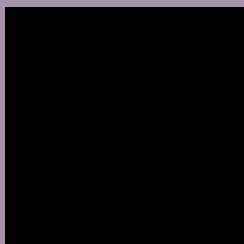
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.2065, 31.7690, 42.4121

Background



This preview shows how black text looks on a background with the XYZ color 33.2065, 31.7690, 42.4121.



This preview shows how white text looks on a background with the XYZ color 33.2065, 31.7690,

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

33.2065, 31.7690, 42.4121

Protanopia

31.3487, 31.9576, 44.0513

Deuteranopia

32.5003, 31.8708, 42.4689



Tritanopia

32.4025, 31.9255, 37.7121

Trichromacy



Original Color

33.2065, 31.7690, 42.4121

Protanomaly

31.8703, 31.7598, 43.4802

Deuteranomaly

32.7459, 31.7635, 42.4353

Tritanomaly

32.6006, 31.7527, 39.5326

Monochromacy



Original Color

33.2065, 31.7690, 42.4121

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

31.8715, 32.3655, 37.8251

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2065, 31.7690, 42.4121 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(165, 147, 170)` looks like.

```
.text, #text, p{  
    color:rgb(165, 147, 170)  
}
```

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(165, 147, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 147, 170) }
```

Border

The CSS property to change the border of an element to XYZ 33.2065, 31.7690, 42.4121 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(165, 147, 170) }
```


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

```
.border{ border-color:rgb(165, 147, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 147, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 147, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 147, 170);  
box-shadow:4px 4px 4px 4px rgb(165, 147,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2065, 31.7690, 42.4121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 147, 170) }
```

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

```
.background{ background-color: rgb(165,  
147, 170) }
```

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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