

Converting Colors

XYZ(31.2358, 30.8487, 42.1893)

Have a look what the booklet for
XYZ(31.2358, 30.8487, 42.1893)
contains.

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Color

**XYZ(31.2070, 30.7383,
42.3185)**

Conversions

Conversions Part 1

Format	Color
Hex	9B93AA
RGB	155, 147, 170
RGB Percent	61%, 58%, 67%
CMY	0.3922, 0.4235, 0.3333
CMYK	0.09, 0.14, 0.00, 0.33
HSL	261°, 12%, 62%
HSV	261°, 14%, 67%
XYZ	31.2070, 30.7383, 42.3185
YIQ	152.0140, -2.6150, 8.8490

Conversions

Conversions Part 2

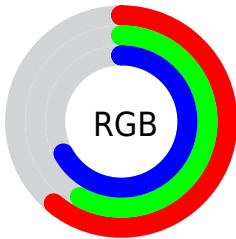
Format	Color
RYB	155, 147, 170
Decimal	10195882
CIELab	62.29, 7.50, -10.98
CIELCh	62, 13.295, 304.330
Yxy	30.7383, 0.2993, 0.2948
Android (android.graphics.Color)	4288385962 (0xFF9B93AA)
YUV	152.0140, 8.8671, 2.6187
Hunter-Lab	55.4421, 3.4495, -6.4461

Details

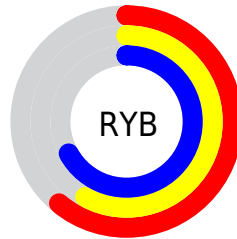
The XYZ color **31.2070, 30.7383, 42.3185** is a light color, and the websafe version is hex **999999**. A complement of this color would be **34.5426, 38.5382, 33.2233**, and the grayscale version is **29.8156, 31.3683, 34.1601**.

A 20% lighter version of the original color is **61.0556, 60.9112, 79.7732**, and **13.1618, 12.6168, 18.8811** is the 20% darker color. If you saturate the color by 10%, you get **26.7254, 24.7900, 41.4071**, and if you desaturate by 10%, it is **36.2766, 37.5712, 43.3707**.

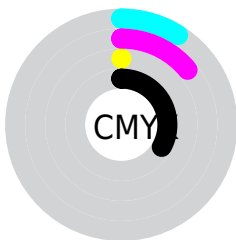
Distribution



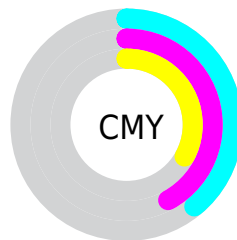
- Red (61%)
- Green (58%)
- Blue (67%)



- Red (61%)
- Yellow (58%)
- Blue (67%)



- Cyan (9%)
- Magenta (14%)
- Yellow (0%)
- Black (33%)



- Cyan (39%)
- Magenta (42%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2070, 30.7383, 42.3185 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 31.2070, 30.7383, 42.3185 by changing the saturation by 10% instead.

■ 31.2070, 30.7383,
42.3185

■ 31.2070, 30.7383,
42.3185

299.3007,
305.3309, 371.6401

■ 20.9091, 20.3997,
29.0233

■ 60.9395, 60.8278,
79.9567

■ 13.1697, 12.6859,
18.8527

■ 81.1047, 81.3475,
105.1369

■ 7.6233, 7.2126,
11.3882

105.2899,
106.0296, 135.1157

■ 3.9046, 3.5954,
6.2111

133.8602,
135.2586, 170.3119

■ 1.6483, 1.4499,
2.9030

167.1811,
169.4188, 211.1439

■ 0.4236, 0.2531,
1.0453

205.6179,

■ 0.0000, 0.0000,

208.8946, 258.0302

0.0000

249.5360,
254.0705, 311.3894

■ 31.2070, 30.7383,
42.3185

■ 31.2070, 30.7383,
42.3185

■ 26.7254, 24.7900,
41.4071

■ 36.2766, 37.5712,
43.3707

■ 22.8066, 19.6857,
40.6284

■ 41.9523, 45.3196,
44.5671

■ 19.4279, 15.3871,
39.9767

■ 48.2552, 54.0174,
45.9138

■ 16.5635, 11.8516,
39.4453

■ 55.2043, 63.6957,
47.4156

■ 14.1858, 9.0323,
39.0264

■ 62.8177, 74.3844,
49.0774

12.2638, 6.8772,
38.7117

71.1130, 86.1116,
50.9038

10.7629, 5.3268,
38.4916

76.4952, 91.6816,
51.6953

9.6424, 4.3103,
38.3544

80.2218, 93.6027,
51.8697

9.0666, 3.8358,
38.2932

84.1797, 95.6431,
52.0549

Harmonies

Analogous

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



29.4774, 30.7383, 44.3311



31.2070, 30.7383, 42.3185



32.4402, 30.7383, 37.9385

Triad

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



31.2070, 30.7383, 42.3185



30.7375, 30.7383, 25.3227



25.9058, 30.7383, 34.2211

Complementary

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



31.2070, 30.7383, 42.3185



34.5426, 38.5382, 33.2233

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.



26.2125, 30.7383, 29.3647



31.2070, 30.7383, 42.3185



28.9559, 30.7383, 24.5437

Square

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



31.2070, 30.7383, 42.3185



32.1614, 30.7383, 28.1952



27.3112, 30.7383, 25.9478



26.4558, 30.7383, 39.3621

Rectangle

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



31.2070, 30.7383, 42.3185



32.7888, 30.7383, 34.4554



27.3112, 30.7383, 25.9478



25.9123, 30.7383, 32.5012

Sweetspot

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



31.2079, 30.7396, 42.3192



65.2902, 67.4507, 78.5800



32.2685, 35.0646, 43.0981



14.4012, 14.8266, 17.4905



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.



31.2079, 30.7396, 42.3192



54.2716, 52.6340, 76.3008



33.4512, 31.8961, 42.4242



7.3687, 7.4227, 9.4627



6.7247, 2.8501, 28.1712



0.2187, 0.0977, 0.6880

Inverse Universe

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



33.5339, 32.0235, 38.5976



59.2832, 55.4016, 68.2193



32.3738, 37.4202, 33.1218



7.7294, 7.6216, 8.8923



14.3274, 7.1397, 11.8018



0.3713, 0.1828, 0.4069

Previews

White Background



This preview shows how the XYZ color 31.2070, 30.7383, 42.3185 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 31.2070, 30.7383, 42.3185 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

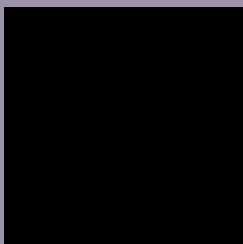
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

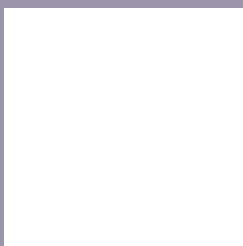
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.2070, 30.7383, 42.3185

Background



This preview shows how black text looks on a background with the XYZ color 31.2070, 30.7383, 42.3185.



This preview shows how white text looks on a background with the XYZ color 31.2070, 30.7383,

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

31.2070, 30.7383, 42.3185

Protanopia

30.2265, 30.6765, 43.3578

Deuteranopia

31.3997, 30.8376, 42.3275



Tritanopia

30.2295, 30.8053, 37.6105

Trichromacy



Original Color

31.2070, 30.7383, 42.3185

Protanomaly

30.5183, 30.6041, 42.8268

Deuteranomaly

31.3997, 30.8376, 42.3275

Tritanomaly

30.6172, 30.7302, 39.4398

Monochromacy



Original Color

31.2070, 30.7383, 42.3185

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

30.3012, 31.0882, 37.2045

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2070, 30.7383, 42.3185 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(155, 147, 170)` looks like.

```
.text, #text, p{  
    color:rgb(155, 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(155, 147, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 147, 170) }
```

Border

The CSS property to change the border of an element to XYZ 31.2070, 30.7383, 42.3185 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(155, 147, 170) }
```


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

```
.border{ border-color:rgb(155, 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(155, 147, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 147, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 147, 170);  
box-shadow:4px 4px 4px 4px rgb(155, 147,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2070, 30.7383, 42.3185 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 147, 170) }
```

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

```
.background{ background-color: rgb(155,  
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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