

Converting Colors

XYZ(30.9864, 30.9964, 42.8029)

Have a look what the booklet for
XYZ(30.9864, 30.9964, 42.8029)
contains.

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Color

**XYZ(31.0470, 31.1106,
42.8967)**

Conversions

Conversions Part 1

Format	Color
Hex	9895AB
RGB	152, 149, 171
RGB Percent	60%, 58%, 67%
CMY	0.4039, 0.4157, 0.3294
CMYK	0.11, 0.13, 0.00, 0.33
HSL	248°, 12%, 63%
HSV	248°, 13%, 67%
XYZ	31.0470, 31.1106, 42.8967
YIQ	152.4050, -5.2740, 7.4780

Conversions

Conversions Part 2

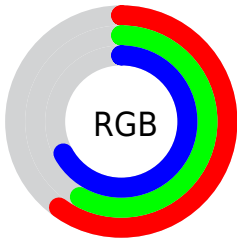
Format	Color
R_{YB}	152, 149, 171
Decimal	9999787
CIE _{Lab}	62.60, 5.55, -11.10
CIE _{LCh}	63, 12.409, 296.571
Yxy	31.1106, 0.2955, 0.2961
Android (android.graphics.Color)	4288189867 (0xFF9895AB)
YUV	152.4050, 9.1673, -0.3552
Hunter-Lab	55.7769, 1.7487, -6.5547

Details

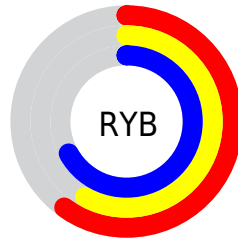
The XYZ color **31.0470, 31.1106, 42.8967** is a light color, and the websafe version is hex **999999**. A complement of this color would be **36.1374, 39.6215, 34.1784**, and the grayscale version is **29.9840, 31.5455, 34.3531**.

A 20% lighter version of the original color is **60.5370, 61.3247, 80.5977**, and **13.0643, 12.8340, 19.2414** is the 20% darker color. If you saturate the color by 10%, you get **25.9435, 24.7546, 41.9394**, and if you desaturate by 10%, it is **36.8939, 38.4411, 44.0040**.

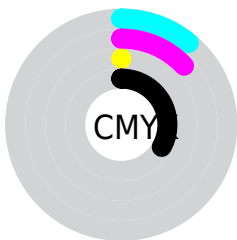
Distribution



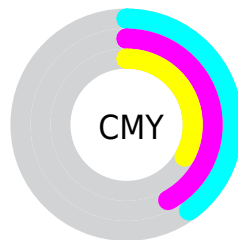
- Red (60%)
- Green (58%)
- Blue (67%)



- Red (60%)
- Yellow (58%)
- Blue (67%)



- Cyan (11%)
- Magenta (13%)
- Yellow (0%)
- Black (33%)



- Cyan (40%)
- Magenta (42%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.0470, 31.1106, 42.8967 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 31.0470, 31.1106, 42.8967 by changing the saturation by 10% instead.

■ 31.0470, 31.1106,
42.8967

■ 31.0470, 31.1106,
42.8967

298.5778,
307.0475, 374.0955

■ 20.7866, 20.6831,
29.4733

■ 60.6894, 61.4142,
80.8396

■ 13.0797, 12.8925,
19.1905

■ 80.8022, 82.0590,
106.1962

■ 7.5608, 7.3546,
11.6298

104.9297,
106.8784, 136.3676

■ 3.8647, 3.6848,
6.3727

133.4375,
136.2567, 171.7724

■ 1.6259, 1.4989,
3.0005

166.6909,
170.5784, 212.8290

■ 0.4092, 0.2879,
1.0949

205.0551,

■ 0.0000, 0.0000,

210.2278, 259.9560

0.0000

248.8957,
255.5894, 313.5720

■ 31.0470, 31.1106,
42.8967

■ 31.0470, 31.1106,
42.8967

■ 25.9435, 24.7546,
41.9394

■ 36.8939, 38.4411,
44.0040

■ 21.5506, 19.3283,
41.1235

■ 43.5096, 46.7808,
45.2650

■ 17.8376, 14.7891,
40.4430

■ 50.9215, 56.1674,
46.6861

■ 14.7700, 11.0894,
39.8906

■ 59.1552, 66.6355,
48.2727

■ 12.3106, 8.1774,
39.4582

■ 68.2347, 78.2182,
50.0299

■ 10.4179, 5.9953,
39.1367

■ 78.1835, 90.9470,
51.9624

■ 9.0456, 4.4773,
38.9160

■ 84.3508, 95.7203,
52.5587

■ 8.1392, 3.5456,
38.7840

■ 7.7111, 3.1260,
38.7256

Harmonies

Analogous

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



29.3758, 31.1106, 44.0376



31.0470, 31.1106, 42.8967



32.3650, 31.1106, 39.2633

Triad

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



31.0470, 31.1106, 42.8967



31.3960, 31.1106, 26.6866



26.4435, 31.1106, 33.3207

Complementary

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



31.0470, 31.1106, 42.8967



36.1374, 39.6215, 34.1784

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.



26.9401, 31.1106, 29.0022



31.0470, 31.1106, 42.8967



29.7644, 31.1106, 25.4087

Square

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



31.0470, 31.1106, 42.8967



32.5719, 31.1106, 29.8800



28.1400, 31.1106, 26.2147



26.7579, 31.1106, 38.2093

Rectangle

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



31.0470, 31.1106, 42.8967



32.8439, 31.1106, 36.0814



28.1400, 31.1106, 26.2147



26.5207, 31.1106, 31.7588

Sweetspot

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



31.0479, 31.1119, 42.8974



64.7386, 67.1663, 78.5542



33.7611, 37.3606, 43.9605



14.2569, 14.7522, 17.4837



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.



31.0479, 31.1119, 42.8974



53.2901, 52.8289, 76.3902



33.1898, 32.2161, 42.9976



7.6766, 7.8076, 10.0551



5.8401, 2.3706, 29.1943



0.1933, 0.0818, 0.8136

Inverse Universe

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



34.6111, 32.9814, 41.5894



60.7495, 56.7436, 73.6118



33.9064, 38.4713, 34.0740



8.2894, 8.1290, 9.8349



16.6865, 8.1371, 21.7924



0.4769, 0.2314, 0.6731

Previews

White Background



This preview shows how the XYZ color 31.0470, 31.1106, 42.8967 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 31.0470, 31.1106, 42.8967 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

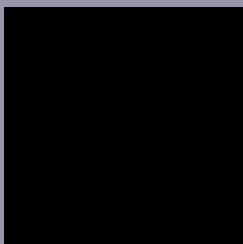
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.0470, 31.1106, 42.8967

Background



This preview shows how black text looks on a background with the XYZ color 31.0470, 31.1106, 42.8967.



This preview shows how white text looks on a background with the XYZ color 31.0470, 31.1106,

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

31.0470, 31.1106, 42.8967

Protanopia

30.5655, 31.0872, 43.4192

Deuteranopia

31.6890, 30.9758, 42.8368



Tritanopia

30.1904, 31.0006, 38.5749

Trichromacy



Original Color

31.0470, 31.1106, 42.8967

Protanomaly

30.7472, 31.1808, 43.4277

Deuteranomaly

31.4582, 31.0886, 42.8708

Tritanomaly

30.4604, 31.1086, 39.9964

Monochromacy



Original Color

31.0470, 31.1106, 42.8967

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

30.2735, 31.3118, 37.2491

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0470, 31.1106, 42.8967 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(152, 149, 171)` looks like.

```
.text, #text, p{  
    color:rgb(152, 149, 171)  
}
```

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(152, 149, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 149, 171) }
```

Border

The CSS property to change the border of an element to XYZ 31.0470, 31.1106, 42.8967 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(152, 149, 171) }
```


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

```
.border{ border-color:rgb(152, 149, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 149, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 149, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 149, 171);  
box-shadow:4px 4px 4px 4px rgb(152, 149,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0470, 31.1106, 42.8967 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 149, 171) }
```

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

```
.background{ background-color: rgb(152,  
149, 171) }
```

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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