

Converting Colors

XYZ(31.1009, 29.4815, 50.3417)

Have a look what the booklet for
XYZ(31.1009, 29.4815, 50.3417)
contains.

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Color

**XYZ(31.1136, 29.3752,
50.4845)**

Conversions

Conversions Part 1

Format	Color
Hex	968EBA
RGB	150, 142, 186
RGB Percent	59%, 56%, 73%
CMY	0.4118, 0.4431, 0.2706
CMYK	0.19, 0.24, 0.00, 0.27
HSL	251°, 24%, 64%
HSV	251°, 24%, 73%
XYZ	31.1136, 29.3752, 50.4845
YIQ	149.4080, -9.3560, 15.3800

Conversions

Conversions Part 2

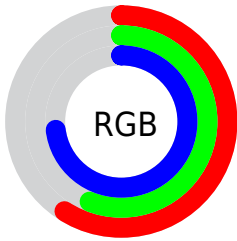
Format	Color
R_{YB}	150, 142, 186
Decimal	9866938
CIE _{Lab}	61.11, 12.22, -21.85
CIE _{LCh}	61, 25.031, 299.215
Yxy	29.3752, 0.2804, 0.2647
Android (android.graphics.Color)	4288057018 (0xFF968EBA)
YUV	149.4080, 18.0399, 0.5192
Hunter-Lab	54.1989, 7.6223, -17.2875

Details

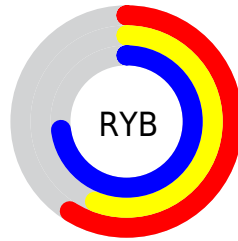
The XYZ color **31.1136, 29.3752, 50.4845** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **40.8024, 46.5365, 32.4244**, and the grayscale version is **28.6688, 30.1618, 32.8462**.

A 20% lighter version of the original color is **60.9438, 58.8698, 92.1553**, and **13.0978, 11.9444, 23.8055** is the 20% darker color. If you saturate the color by 10%, you get **25.9529, 22.9443, 49.5157**, and if you desaturate by 10%, it is **37.1017, 36.9195, 51.6256**.

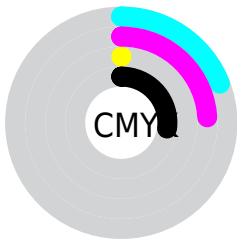
Distribution



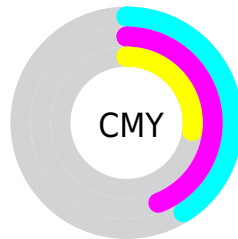
- Red (59%)
- Green (56%)
- Blue (73%)



- Red (59%)
- Yellow (56%)
- Blue (73%)



- Cyan (19%)
- Magenta (24%)
- Yellow (0%)
- Black (27%)



- Cyan (41%)
- Magenta (44%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1136, 29.3752, 50.4845 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 31.1136, 29.3752, 50.4845 by changing the saturation by 10% instead.

■ 31.1136, 29.3752,
50.4845

■ 31.1136, 29.3752,
50.4845

298.8789,
298.9812, 405.3468

■ 20.8376, 19.3648,
35.4246

■ 60.7935, 58.6727,
92.2960

■ 13.1171, 11.9342,
23.7040

■ 80.9281, 78.7286,
119.8847

■ 7.5868, 6.6989,
14.9040

■ 105.0797,
102.9018, 152.4868

■ 3.8813, 3.2745,
8.6062

133.6135,
131.5767, 190.5208

■ 1.6352, 1.2767,
4.3919

166.8950,
165.1377, 234.4053

■ 0.4152, 0.1230,
1.8427

205.2895,

■ 0.0000, 0.0000,

203.9692, 284.5588

0.4559

249.1623,
248.4555, 341.3998

■ 0.0000, 0.0000,
0.0000

■ 31.1136, 29.3752,
50.4845

■ 31.1136, 29.3752,
50.4845

■ 25.9529, 22.9443,
49.5157

■ 37.1017, 36.9195,
51.6256

■ 21.5800, 17.5703,
48.7089

■ 43.9487, 45.6231,
52.9447

■ 17.9562, 13.1971,
48.0558

■ 51.6883, 55.5335,
54.4496

■ 15.0383, 9.7617,
47.5465

■ 60.3510, 66.6947,
56.1474

■ 12.7785, 7.1943,
47.1700

■ 69.9663, 79.1481,
58.0444

■ 11.1229, 5.4146,
46.9138

■ 80.5620, 92.9336,
60.1468

■ 10.0083, 4.3272,
46.7626

■ 85.8630, 96.3252,
60.5220

■ 9.5166, 3.8821,
46.7026

Harmonies

Analogous

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



27.8339, 29.3752, 53.6619



31.1136, 29.3752, 50.4845



33.6974, 29.3752, 42.1502

Triad

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



31.1136, 29.3752, 50.4845



31.2747, 29.3752, 18.8397



22.0760, 29.3752, 31.7378

Complementary

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



31.1136, 29.3752, 50.4845



40.8024, 46.5365, 32.4244

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.



22.8442, 29.3752, 23.6009



31.1136, 29.3752, 50.4845



28.0067, 29.3752, 17.1082

Square

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



31.1136, 29.3752, 50.4845



33.7955, 29.3752, 23.9526



24.9532, 29.3752, 18.6664



22.7688, 29.3752, 41.6371

Rectangle

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



31.1136, 29.3752, 50.4845



34.5864, 29.3752, 35.4854



24.9532, 29.3752, 18.6664



22.1709, 29.3752, 28.7219

Sweetspot

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



31.1145, 29.3764, 50.4852



75.1831, 76.9900, 95.0994



36.0725, 41.4035, 52.5453



16.3892, 16.7415, 20.9102



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



31.1145, 29.3764, 50.4852



51.7147, 47.3939, 90.6237



35.4042, 31.5878, 50.6859



8.6694, 8.7959, 11.3203



6.4493, 2.6359, 31.4219



0.2740, 0.1170, 1.1099

Inverse Universe

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



37.9595, 33.0006, 46.4897



66.1926, 55.0648, 81.9428



36.2820, 44.2061, 32.2128



9.3090, 9.1340, 10.9745



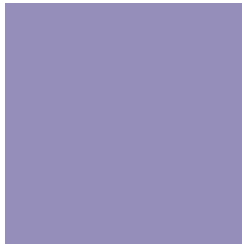
17.4719, 8.5625, 20.9034



0.6344, 0.3092, 0.8343

Previews

White Background



This preview shows how the XYZ color 31.1136, 29.3752, 50.4845 looks on a white background.

Color Contrast Check

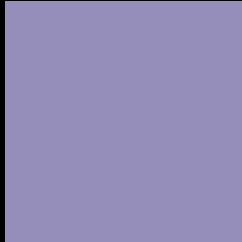
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.1136, 29.3752, 50.4845 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 × Fail

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

XYZ 31.1136, 29.3752, 50.4845

Background



This preview shows how black text looks on a background with the XYZ color 31.1136, 29.3752, 50.4845.



This preview shows how white text looks on a background with the XYZ color 31.1136, 29.3752,

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

31.1136, 29.3752, 50.4845

Protanopia

29.6175, 29.4661, 52.2706

Deuteranopia

30.0377, 29.5044, 50.0107



Tritanopia

28.3688, 29.3904, 36.9786

Trichromacy



Original Color

31.1136, 29.3752, 50.4845

Protanomaly

30.1870, 29.5444, 51.6886

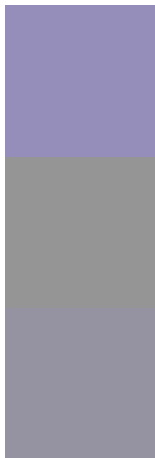
Deuteranomaly

30.4073, 29.4690, 49.9844

Tritanomaly

29.3195, 29.3184, 41.6498

Monochromacy



Original Color

31.1136, 29.3752, 50.4845

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

29.1949, 29.5560, 38.3486

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1136, 29.3752, 50.4845 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(150, 142, 186)` looks like.

```
.text, #text, p{  
    color:rgb(150, 142, 186)  
}
```

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(150, 142, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 142, 186) }
```

Border

The CSS property to change the border of an element to XYZ 31.1136, 29.3752, 50.4845 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(150, 142, 186) }
```


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

```
.border{ border-color:rgb(150, 142, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 142, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 142, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 142, 186);  
box-shadow:4px 4px 4px 4px rgb(150, 142,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1136, 29.3752, 50.4845 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 142, 186) }
```

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

```
.background{ background-color: rgb(150,  
142, 186) }
```

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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