

Converting Colors

XYZ(38.3068, 32.0768, 51.3774)

Have a look what the booklet for
XYZ(38.3068, 32.0768, 51.3774)
contains.

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Color

**XYZ(38.1650, 31.9183,
51.1630)**

Conversions

Conversions Part 1

Format	Color
Hex	BA89BB
RGB	186, 137, 187
RGB Percent	73%, 54%, 73%
CMY	0.2706, 0.4627, 0.2667
CMYK	0.01, 0.27, 0.00, 0.27
HSL	299°, 27%, 64%
HSV	299°, 27%, 73%
XYZ	38.1650, 31.9183, 51.1630
YIQ	157.3510, 13.1540, 25.9380

Conversions

Conversions Part 2

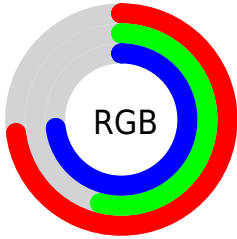
Format	Color
RYB	186, 137, 187
Decimal	12224955
CIELab	63.28, 27.17, -18.81
CIELCh	63, 33.044, 325.312
Yxy	31.9183, 0.3148, 0.2633
Android (android.graphics.Color)	4290415035 (0xFFBA89BB)
YUV	157.3510, 14.6170, 25.1252
Hunter-Lab	56.4963, 21.7138, -14.1456

Details

The XYZ color **38.1650, 31.9183, 51.1630** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **32.7680, 42.7508, 30.1932**, and the grayscale version is **32.1388, 33.8125, 36.8218**.

A 20% lighter version of the original color is **71.7706, 62.7874, 93.1305**, and **17.1466, 13.2823, 24.2143** is the 20% darker color. If you saturate the color by 10%, you get **35.6433, 27.0090, 50.3488**, and if you desaturate by 10%, it is **41.1496, 37.7519, 52.1322**.

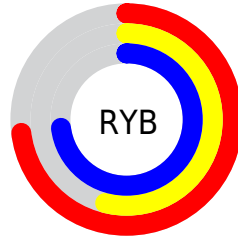
Distribution



Red (73%)

Green (54%)

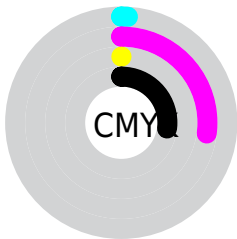
Blue (73%)



Red (73%)

Yellow (54%)

Blue (73%)

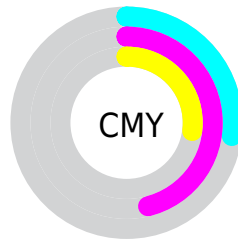


Cyan (1%)

Magenta (27%)

Yellow (0%)

Black (27%)



Cyan (27%)


Magenta (46%)


Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.1650, 31.9183, 51.1630 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 38.1650, 31.9183, 51.1630 by changing the saturation by 10% instead.


 38.1650, 31.9183,
51.1630


 38.1650, 31.9183,
51.1630

329.5959,
310.7469, 408.0614


 26.2886, 21.2991,
35.9607


 71.6632, 62.6830,
93.3096

 17.1735, 13.3428,
24.1144


 94.0158, 83.5973,
121.0911

 10.4543, 7.6650,
15.2055


 120.5910,
108.7120, 153.9026

 5.7658, 3.8814,
8.8155

151.7544,
138.4117, 192.1629

 2.7425, 1.6074,
4.5259

187.8712,
173.0806, 236.2903

 1.0191, 0.3626,
1.9181

229.3068,

 0.0000, 0.0000,

213.1032, 286.7035

0.5042

276.4266,
258.8638, 343.8210

■ 0.0000, 0.0000,
0.0000

■ 38.1650, 31.9183,
51.1630

■ 38.1650, 31.9183,
51.1630

■ 35.6433, 27.0090,
50.3488

■ 41.1496, 37.7519,
52.1322

■ 33.5578, 22.9723,
49.6795

■ 44.6162, 44.5497,
53.2616

■ 31.8836, 19.7578,
49.1473

■ 48.5864, 52.3543,
54.5588

■ 30.5920, 17.3083,
48.7426

■ 53.0796, 61.2048,
56.0302

■ 29.6508, 15.5592,
48.4546

■ 58.1143, 71.1378,
57.6821

■ 29.0224, 14.4353,
48.2708

■ 63.7080, 82.1883,
59.5203

■ 28.6560, 13.8349,
48.1742

■ 65.6214, 85.8779,
60.1316

■ 28.5606, 13.6874,
48.1507

■ 65.7140, 85.9257,
60.1360

■ 65.8069, 85.9736,
60.1403

Harmonies

Analogous

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



34.2580, 31.9183, 62.8826



38.1650, 31.9183, 51.1630



39.9818, 31.9183, 36.8549

Triad

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



38.1650, 31.9183, 51.1630



31.0625, 31.9183, 15.1988



23.0564, 31.9183, 46.6825

Complementary

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



38.1650, 31.9183, 51.1630



32.7680, 42.7508, 30.1932

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.



22.3839, 31.9183, 32.7338



38.1650, 31.9183, 51.1630



26.7279, 31.9183, 16.5845

Square

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



38.1650, 31.9183, 51.1630



35.6270, 31.9183, 17.8747



23.6607, 31.9183, 22.2917



25.5991, 31.9183, 59.8727

Rectangle

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



38.1650, 31.9183, 51.1630



39.6426, 31.9183, 28.5134



23.6607, 31.9183, 22.2917



22.6157, 31.9183, 41.8437

Sweetspot

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



38.1660, 31.9197, 51.1637



78.9883, 77.9847, 95.0908



28.4720, 27.2767, 50.7784



17.1790, 16.7504, 20.8703



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.



38.1660, 31.9197, 51.1637



65.6445, 51.8869, 90.7567



36.1110, 31.1258, 39.0701



9.9106, 9.6863, 12.0195



19.6861, 9.4346, 33.1764



0.7772, 0.3727, 1.2998

Inverse Universe

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



34.0277, 30.2925, 28.0998



57.0189, 48.4979, 42.5669



34.4623, 43.4095, 39.9745



9.5377, 9.5394, 9.9545



14.1375, 7.2862, 0.7520



0.5565, 0.2865, 0.0435

Previews

White Background



This preview shows how the XYZ color 38.1650, 31.9183, 51.1630 looks on a white background.

Color Contrast Check

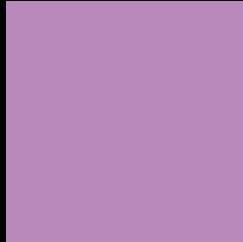
Large Text (above 18pt) WCAG AA × Fail

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 38.1650, 31.9183, 51.1630 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 38.1650, 31.9183, 51.1630

Background



This preview shows how black text looks on a background with the XYZ color 38.1650, 31.9183, 51.1630.



This preview shows how white text looks on a background with the XYZ color 38.1650, 31.9183,

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

38.1650, 31.9183, 51.1630

Protanopia

32.4616, 32.2385, 57.3351

Deuteranopia

32.8002, 32.0878, 50.3637



Tritanopia

34.7113, 31.8018, 34.8807

Trichromacy



Original Color

38.1650, 31.9183, 51.1630

Protanomaly

34.1599, 31.9868, 54.8257

Deuteranomaly

34.5054, 31.7953, 50.7729

Tritanomaly

35.9362, 31.8702, 40.3339

Monochromacy



Original Color

38.1650, 31.9183, 51.1630

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

34.1227, 32.9647, 41.6101

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.1650, 31.9183, 51.1630 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(186, 137, 187)` looks like.

```
.text, #text, p{  
    color:rgb(186, 137, 187)  
}
```

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(186, 137, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 137, 187) }
```

Border

The CSS property to change the border of an element to XYZ 38.1650, 31.9183, 51.1630 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(186, 137, 187) }
```


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

```
.border{ border-color:rgb(186, 137, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 137, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 137, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 137, 187);  
box-shadow:4px 4px 4px 4px rgb(186, 137,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 38.1650, 31.9183, 51.1630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 137, 187) }
```

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

```
.background{ background-color: rgb(186,  
137, 187) }
```

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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