

Converting Colors

XYZ(38.2910, 31.6012, 58.7212)

Have a look what the booklet for
XYZ(38.2910, 31.6012, 58.7212)
contains.

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Color

**XYZ(38.2855, 31.6022,
58.7255)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | B588C8 |
| RGB | 181, 136, 200 |
| RGB Percent | 71%, 53%, 78% |
| CMY | 0.2902, 0.4667, 0.2157 |
| CMYK | 0.09, 0.32, 0.00, 0.22 |
| HSL | 282°, 37%, 66% |
| HSV | 282°, 32%, 78% |
| XYZ | 38.2855, 31.6022, 58.7255 |
| YIQ | 156.7510, 6.2760, 29.4440 |

Conversions

Conversions Part 2

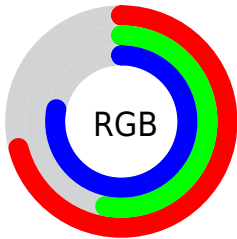
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 181, 136, 200 |
| Decimal | 11897032 |
| CIE _{Lab} | 63.01, 28.69, -26.57 |
| CIE _{LCh} | 63, 39.104, 317.197 |
| Yxy | 31.6022, 0.2977, 0.2457 |
| Android (android.graphics.Color) | 4290087112 (0xFFB588C8) |
| YUV | 156.7510, 21.3218, 21.2664 |
| Hunter-Lab | 56.2158, 23.1888, -22.5858 |

Details

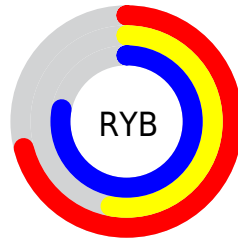
The XYZ color **38.2855, 31.6022, 58.7255** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **38.6168, 50.0554, 30.9204**, and the grayscale version is **31.8422, 33.5005, 36.4820**.

A 20% lighter version of the original color is **71.7234, 62.2241, 102.8380**, and **17.1892, 13.0843, 28.8137** is the 20% darker color. If you saturate the color by 10%, you get **34.3648, 25.7832, 57.8095**, and if you desaturate by 10%, it is **42.7932, 38.5056, 59.8209**.

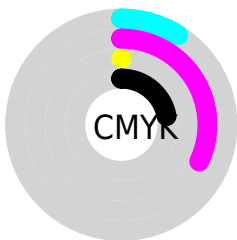
Distribution



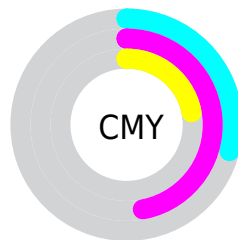
- Red (71%)
- Green (53%)
- Blue (78%)



- Red (71%)
- Yellow (53%)
- Blue (78%)



- Cyan (9%)
- Magenta (32%)
- Yellow (0%)
- Black (22%)




- Cyan (29%)
- Magenta (47%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.2855, 31.6022, 58.7255 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 38.2855, 31.6022, 58.7255 by changing the saturation by 10% instead.


 38.2855, 31.6022,
58.7255


 38.2855, 31.6022,
58.7255

330.1028,
309.3031, 437.5574

 26.3826, 21.0578,
41.9736

 71.8466, 62.1869,
104.5038

 17.2442, 13.1663,
28.7552

 94.2355, 82.9961,
134.3673

 10.5052, 7.5432,
18.6517


 120.8504,
107.9957, 169.4384

 5.8000, 3.8040,
11.2447

152.0567,
137.5700, 210.1357

 2.7633, 1.5646,
6.1154

188.2197,
172.1035, 256.8777

 1.0299, 0.3335,
2.8455

229.7049,

 0.0000, 0.0000,

211.9806, 310.0830

1.0163

276.8774,
257.5857, 370.1701

■ 0.0000, 0.0000,
0.0000

■ 38.2855, 31.6022,
58.7255

■ 38.2855, 31.6022,
58.7255

■ 34.3648, 25.7832,
57.8095

■ 42.7932, 38.5056,
59.8209

■ 30.9979, 20.9856,
57.0609

■ 47.9124, 46.5437,
61.1026

■ 28.1531, 17.1460,
56.4697


■ 53.6702, 55.7686,
62.5797


■ 25.7935, 14.1923,
56.0239

■ 60.0908, 66.2279,
64.2602


■ 23.8772, 12.0415,
55.7098


■ 67.1972, 77.9666,
66.1514


 22.3542, 10.5948,
55.5108

 74.6899, 90.3848,
68.1534

 21.3462, 9.8001,
55.4105

 76.4828, 91.3091,
68.2374

 78.3399, 92.2664,
68.3243

 80.2616, 93.2571,
68.4142

Harmonies

Analogous

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



33.2010, 31.6022, 71.1876



38.2855, 31.6022, 58.7255



41.2979, 31.6022, 41.4022

Triad

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



38.2855, 31.6022, 58.7255



32.3885, 31.6022, 12.8481



21.1976, 31.6022, 43.9348

Complementary

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



38.2855, 31.6022, 58.7255



38.6168, 50.0554, 30.9204

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.



21.0352, 31.6022, 28.2520



38.2855, 31.6022, 58.7255



27.0806, 31.6022, 13.1554

Square

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



38.2855, 31.6022, 58.7255



37.6298, 31.6022, 16.9263



23.0674, 31.6022, 17.9472



23.5410, 31.6022, 61.0498

Rectangle

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



38.2855, 31.6022, 58.7255



41.5155, 31.6022, 30.8290



23.0674, 31.6022, 17.9472



20.8970, 31.6022, 38.2568

Sweetspot

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



38.2865, 31.6035, 58.7262



84.7173, 83.3881, 106.2382



32.3346, 32.9151, 59.2930



17.8420, 17.3857, 22.6654



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



38.2865, 31.6035, 58.7262



61.7309, 47.9142, 100.6025



41.6155, 33.4854, 51.3968



10.7647, 10.6525, 13.4063



13.6661, 6.2794, 35.2361



0.7173, 0.3335, 1.6717

Inverse Universe

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



38.5410, 32.2556, 35.2064



62.4394, 49.3300, 53.1701



36.2175, 48.7071, 35.8441



10.7613, 10.6879, 11.7262



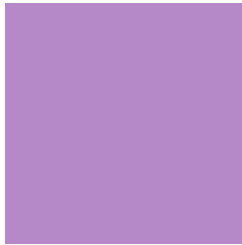
15.6881, 8.0248, 3.5674



0.7752, 0.3929, 0.3395

Previews

White Background



This preview shows how the XYZ color 38.2855, 31.6022, 58.7255 looks on a white background.

Color Contrast Check

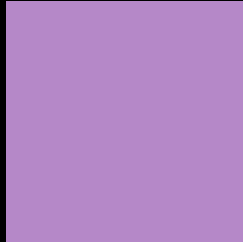
Large Text (above 18pt) WCAG AA × Fail

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 38.2855, 31.6022, 58.7255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

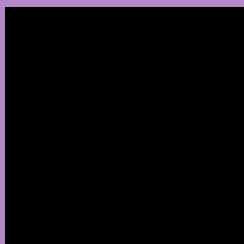
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.2855, 31.6022, 58.7255

Background



This preview shows how black text looks on a background with the XYZ color 38.2855, 31.6022, 58.7255.



This preview shows how white text looks on a background with the XYZ color 38.2855, 31.6022,

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

38.2855, 31.6022, 58.7255

Protanopia

32.8162, 31.9873, 66.0726

Deuteranopia

32.4860, 31.7732, 57.2440



Tritanopia

33.5817, 31.6498, 35.7916

Trichromacy



Original Color

38.2855, 31.6022, 58.7255

Protanomaly

34.4903, 31.7382, 63.3397

Deuteranomaly

34.2231, 31.4961, 57.7017

Tritanomaly

35.2509, 31.6717, 43.2850

Monochromacy



Original Color

38.2855, 31.6022, 58.7255

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

34.0162, 32.6190, 44.0384

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.2855, 31.6022, 58.7255 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(181, 136, 200)` looks like.

```
.text, #text, p{  
    color:rgb(181, 136, 200)  
}
```

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(181, 136, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 136, 200) }
```

Border

The CSS property to change the border of an element to XYZ 38.2855, 31.6022, 58.7255 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(181, 136, 200) }
```


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

```
.border{ border-color:rgb(181, 136, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 136, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 136, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 136, 200);  
box-shadow:4px 4px 4px 4px rgb(181, 136,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 38.2855, 31.6022, 58.7255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 136, 200) }
```

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

```
.background{ background-color: rgb(181,  
136, 200) }
```

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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