

Converting Colors

XYZ(36.8140, 31.1069, 56.2885)

Have a look what the booklet for
XYZ(36.8140, 31.1069, 56.2885)
contains.

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Color

**XYZ(36.8140, 31.1069,
56.2885)**

Conversions

Conversions Part 1

Format	Color
Hex	B089C4
RGB	176, 137, 196
RGB Percent	69%, 54%, 77%
CMY	0.3098, 0.4627, 0.2314
CMYK	0.10, 0.30, 0.00, 0.23
HSL	280°, 33%, 65%
HSV	280°, 30%, 77%
XYZ	36.8140, 31.1069, 56.2885
YIQ	155.3870, 4.3050, 26.6170

Conversions

Conversions Part 2

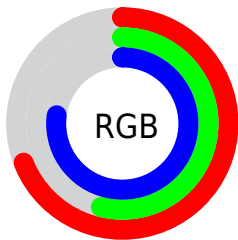
Format	Color
R _Y B	176, 137, 196
Decimal	11569604
CIE Lab	62.60, 25.69, -25.00
CIE LCh	63, 35.845, 315.774
Yxy	31.1069, 0.2964, 0.2504
Android (android.graphics.Color)	4289759684 (0xFFB089C4)
YUV	155.3870, 20.0222, 18.0776
Hunter-Lab	55.7736, 20.2173, -20.7959

Details

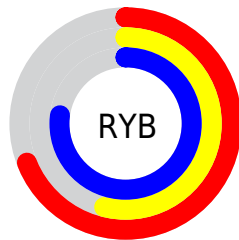
The XYZ color **36.8140, 31.1069, 56.2885** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **38.1608, 48.4548, 31.0096**, and the grayscale version is **31.2406, 32.8676, 35.7928**.

A 20% lighter version of the original color is **69.6391, 61.5093, 101.1306**, and **16.4591, 12.9803, 27.2292** is the 20% darker color. If you saturate the color by 10%, you get **32.8114, 25.2770, 55.3747**, and if you desaturate by 10%, it is **41.3982, 37.9895, 57.3758**.

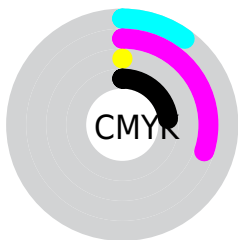
Distribution



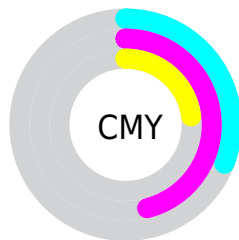
- Red (69%)
- Green (54%)
- Blue (77%)



- Red (69%)
- Yellow (54%)
- Blue (77%)



- Cyan (10%)
- Magenta (30%)
- Yellow (0%)
- Black (23%)





- Cyan (31%)
- Magenta (46%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.8140, 31.1069, 56.2885 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 36.8140, 31.1069, 56.2885 by changing the saturation by 10% instead.


 36.8140, 31.1069,
56.2885

 36.8140, 31.1069,
56.2885

323.8741,
307.0305, 428.1967


 25.2365, 20.6803,
40.0287

 69.6023, 61.4083,
100.9163

 16.3830, 12.8905,
27.2470

 91.5439, 82.0519,
130.1214

 9.8882, 7.3532,
17.5247

 117.6708,
106.8700, 164.4786

 5.3866, 3.6839,
10.4434

148.3485,
136.2468, 204.4066

 2.5129, 1.4984,
5.5845

183.9424,
170.5669, 250.3239

 0.9018, 0.2876,
2.5295

224.8177,

 0.0000, 0.0000,

210.2146, 302.6489

0.8557

271.3398,
255.5744, 361.8004

■ 0.0000, 0.0000,
0.0000

■ 36.8140, 31.1069,
56.2885

■ 36.8140, 31.1069,
56.2885

■ 32.8114, 25.2770,
55.3747

■ 41.3982, 37.9895,
57.3758

■ 29.3590, 20.4405,
54.6231

■ 46.5875, 45.9721,
58.6431

■ 26.4266, 16.5382,
54.0244

■ 52.4074, 55.1038,
60.0990

■ 23.9798, 13.5026,
53.5674

■ 58.8811, 65.4297,
61.7509

■ 21.9795, 11.2570,
53.2394

■ 66.0307, 76.9922,
63.6058

■ 20.3794, 9.7109,
53.0253

■ 73.8770, 89.8317,
65.6706

■ 19.1026, 8.6967,
52.8969

■ 76.0046, 91.1158,
65.8063

■ 78.0862, 92.1889,
65.9037

■ 80.2490, 93.3039,
66.0049

Harmonies

Analogous

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



32.1914, 31.1069, 66.8782



36.8140, 31.1069, 56.2885



39.6281, 31.1069, 40.9141

Triad

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



36.8140, 31.1069, 56.2885



31.9330, 31.1069, 13.9261



21.4231, 31.1069, 41.7143

Complementary

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



36.8140, 31.1069, 56.2885



38.1608, 48.4548, 31.0096

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.



21.3703, 31.1069, 27.6849



36.8140, 31.1069, 56.2885



27.0877, 31.1069, 14.0303

Square

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



36.8140, 31.1069, 56.2885



36.6070, 31.1069, 18.0301



23.3381, 31.1069, 18.3693



23.4915, 31.1069, 57.0115

Rectangle

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



36.8140, 31.1069, 56.2885



39.9208, 31.1069, 31.2377



23.3381, 31.1069, 18.3693



21.1774, 31.1069, 36.6465

Sweetspot

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



36.8150, 31.1082, 56.2892



85.3563, 84.7756, 106.4723



32.4487, 33.6396, 57.0079



17.9538, 17.6541, 22.7113



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.



36.8150, 31.1082, 56.2892



61.8866, 49.3139, 100.8645



40.6972, 33.2225, 51.3663



10.1550, 10.0710, 12.6935



12.3690, 5.6369, 33.9927



0.6056, 0.2802, 1.4721

Inverse Universe

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



37.7973, 32.0626, 36.0959



64.1461, 51.4348, 57.7735



35.2341, 46.8697, 34.3240



10.2109, 10.1330, 11.2013



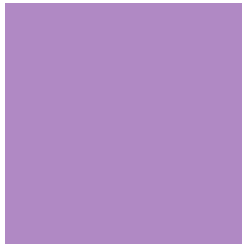
15.3041, 7.8114, 4.2477



0.6938, 0.3505, 0.3549

Previews

White Background



This preview shows how the XYZ color 36.8140, 31.1069, 56.2885 looks on a white background.

Color Contrast Check

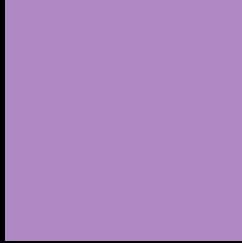
Large Text (above 18pt) WCAG AA × Fail

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 36.8140, 31.1069, 56.2885 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

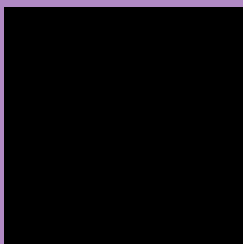
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.8140, 31.1069, 56.2885

Background



This preview shows how black text looks on a background with the XYZ color 36.8140, 31.1069, 56.2885.



This preview shows how white text looks on a background with the XYZ color 36.8140, 31.1069,

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

36.8140, 31.1069, 56.2885

Protanopia

32.0791, 31.4547, 62.1382

Deuteranopia

31.9867, 31.3192, 55.3983



Tritanopia

32.7037, 31.1971, 35.7505

Trichromacy



Original Color

36.8140, 31.1069, 56.2885

Protanomaly

33.5486, 31.0944, 60.1107

Deuteranomaly

33.6860, 31.2588, 55.8879

Tritanomaly

34.0369, 31.0569, 42.7287

Monochromacy



Original Color

36.8140, 31.1069, 56.2885

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

32.9499, 31.8686, 42.4448

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8140, 31.1069, 56.2885 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(176, 137, 196)` looks like.

```
.text, #text, p{  
    color:rgb(176, 137, 196)  
}
```

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(176, 137, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 137, 196) }
```

Border

The CSS property to change the border of an element to XYZ 36.8140, 31.1069, 56.2885 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(176, 137, 196) }
```


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

```
.border{ border-color:rgb(176, 137, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 137, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 137, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 137, 196);  
box-shadow:4px 4px 4px 4px rgb(176, 137,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8140, 31.1069, 56.2885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 137, 196) }
```

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

```
.background{ background-color: rgb(176,  
137, 196) }
```

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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