

Converting Colors

XYZ(36.8457, 31.3221, 56.9271)

Have a look what the booklet for
XYZ(36.8457, 31.3221, 56.9271)
contains.

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Color

**XYZ(36.8457, 31.3221,
56.9271)**

Conversions

Conversions Part 1

Format	Color
Hex	AF8AC5
RGB	175, 138, 197
RGB Percent	69%, 54%, 77%
CMY	0.3137, 0.4588, 0.2274
CMYK	0.11, 0.30, 0.00, 0.23
HSL	278°, 34%, 66%
HSV	278°, 30%, 77%
XYZ	36.8457, 31.3221, 56.9271
YIQ	155.7890, 3.1130, 26.1930

Conversions

Conversions Part 2

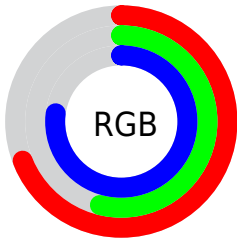
Format	Color
RYB	175, 138, 197
Decimal	11504325
CIELab	62.78, 25.01, -25.29
CIElCh	63, 35.573, 314.677
Yxy	31.3221, 0.2945, 0.2504
Android (android.graphics.Color)	4289694405 (0xFFAF8AC5)
YUV	155.7890, 20.3170, 16.8480
Hunter-Lab	55.9662, 19.5759, -21.1317

Details

The XYZ color **36.8457, 31.3221, 56.9271** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **39.0519, 49.2418, 31.4925**, and the grayscale version is **31.4182, 33.0544, 35.9962**.

A 20% lighter version of the original color is **69.6940, 61.8440, 102.0297**, and **16.4737, 13.1002, 27.6469** is the 20% darker color. If you saturate the color by 10%, you get **32.6677, 25.3468, 55.9945**, and if you desaturate by 10%, it is **41.6281, 38.3715, 58.0362**.

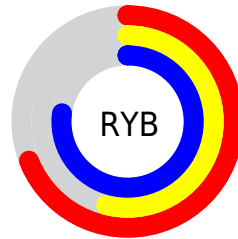
Distribution



Red (69%)

Green (54%)

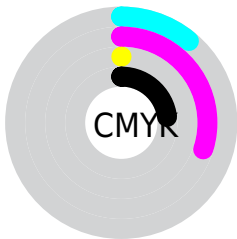
Blue (77%)



Red (69%)

Yellow (54%)

Blue (77%)

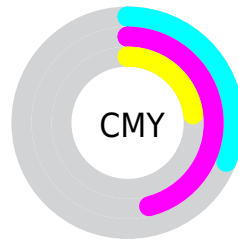


Cyan (11%)

Magenta (30%)

Yellow (0%)

Black (23%)



Cyan (31%)


Magenta (46%)


Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.8457, 31.3221, 56.9271 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 36.8457, 31.3221, 56.9271 by changing the saturation by 10% instead.


 36.8457, 31.3221,
56.9271


 36.8457, 31.3221,
56.9271


324.0092,
308.0195, 430.6622


 25.2612, 20.8442,
40.5377


 69.6508, 61.7468,
101.8581

 16.4015, 13.0102,
27.6411


 91.6020, 82.4625,
131.2368

 9.9014, 7.4356,
17.8186


 117.7396,
107.3595, 165.7824

 5.3954, 3.7360,
10.6517

148.4288,
136.8224, 205.9134

 2.5182, 1.5270,
5.7220

184.0350,
171.2354, 252.0483

 0.9044, 0.3076,
2.6107

224.9235,

 0.0000, 0.0000,

210.9830, 304.6057

0.8980

271.4598,
256.4496, 364.0042

■ 0.0000, 0.0000,
0.0000

■ 36.8457, 31.3221,
56.9271

■ 36.8457, 31.3221,
56.9271

■ 32.6677, 25.3468,
55.9945

■ 41.6281, 38.3715,
58.0362

■ 29.0618, 20.3856,
55.2269

■ 47.0389, 46.5430,
59.3283

■ 25.9973, 16.3781,
54.6149

■ 53.1042, 55.8866,
60.8121

■ 23.4389, 13.2562,
54.1471

■ 59.8480, 66.4478,
62.4952

■ 21.3467, 10.9421,
53.8107

■ 67.2928, 78.2699,
64.3847

■ 19.6736, 9.3441,
53.5905

■ 75.0746, 90.6232,
66.3590

■ 18.3310, 8.2874,
53.4573

■ 77.3348, 91.7884,
66.4648

■ 18.3243, 8.2823,
53.4566

■ 79.6938, 93.0045,
66.5752

■ 82.1528, 94.2721,
66.6902

Harmonies

Analogous

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



32.2048, 31.3221, 67.1477



36.8457, 31.3221, 56.9271



39.7369, 31.3221, 41.6868

Triad

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



36.8457, 31.3221, 56.9271



32.3123, 31.3221, 14.2393



21.6060, 31.3221, 41.3542

Complementary

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



36.8457, 31.3221, 56.9271



39.0519, 49.2418, 31.4925

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.



21.6280, 31.3221, 27.5022



36.8457, 31.3221, 56.9271



27.4625, 31.3221, 14.1957

Square

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



36.8457, 31.3221, 56.9271



36.9317, 31.3221, 18.5204



23.6649, 31.3221, 18.3787



23.6009, 31.3221, 56.6272

Rectangle

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



36.8457, 31.3221, 56.9271



40.1034, 31.3221, 31.9658



23.6649, 31.3221, 18.3787



21.3853, 31.3221, 36.3364

Sweetspot

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



36.8467, 31.3234, 56.9278



85.0821, 84.6343, 106.4595



33.2384, 34.7917, 57.7874



17.8861, 17.6192, 22.7081



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.



36.8467, 31.3234, 56.9278



60.9313, 48.8214, 100.8198



41.4223, 33.7713, 53.1180



10.6850, 10.6114, 13.4025



12.1475, 5.4965, 35.1650



0.6534, 0.3006, 1.6687

Inverse Universe

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



38.4606, 32.5866, 37.5217



64.5002, 51.5765, 59.6382



35.5504, 47.3773, 34.0133



10.7947, 10.7013, 11.9021



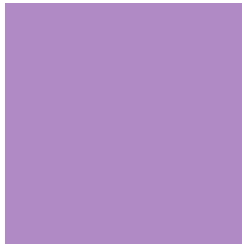
15.9836, 8.1430, 5.1237



0.7918, 0.3996, 0.4268

Previews

White Background



This preview shows how the XYZ color 36.8457, 31.3221, 56.9271 looks on a white background.

Color Contrast Check

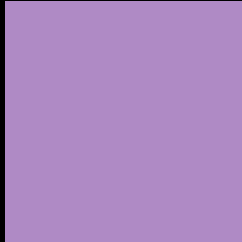
Large Text (above 18pt) WCAG AA × Fail

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 36.8457, 31.3221, 56.9271 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 36.8457, 31.3221, 56.9271

Background



This preview shows how black text looks on a background with the XYZ color 36.8457, 31.3221, 56.9271.



This preview shows how white text looks on a background with the XYZ color 36.8457, 31.3221,

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

36.8457, 31.3221, 56.9271

Protanopia

32.2003, 31.5032, 62.7761

Deuteranopia

32.0994, 31.3643, 55.9919



Tritanopia

32.7269, 31.4271, 36.2394

Trichromacy



Original Color

36.8457, 31.3221, 56.9271

Protanomaly

33.6361, 31.3536, 60.7790

Deuteranomaly

33.6068, 31.2049, 56.4764

Tritanomaly

34.0634, 31.2814, 43.2723

Monochromacy



Original Color

36.8457, 31.3221, 56.9271

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

33.2024, 32.2217, 42.9975

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8457, 31.3221, 56.9271 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(175, 138, 197)` looks like.

```
.text, #text, p{  
    color:rgb(175, 138, 197)  
}
```

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(175, 138, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 138, 197) }
```

Border

The CSS property to change the border of an element to XYZ 36.8457, 31.3221, 56.9271 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(175, 138, 197) }
```


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

```
.border{ border-color:rgb(175, 138, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 138, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 138, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 138, 197);  
box-shadow:4px 4px 4px 4px rgb(175, 138,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8457, 31.3221, 56.9271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 138, 197) }
```

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

```
.background{ background-color: rgb(175,  
138, 197) }
```

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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