

Converting Colors

XYZ(36.8696, 32.5567, 51.4775)

Have a look what the booklet for
XYZ(36.8696, 32.5567, 51.4775)
contains.

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Color

**XYZ(36.9236, 32.5799,
51.3562)**

Conversions

Conversions Part 1

Format	Color
Hex	B18FBB
RGB	177, 143, 187
RGB Percent	69%, 56%, 73%
CMY	0.3059, 0.4392, 0.2667
CMYK	0.05, 0.24, 0.00, 0.27
HSL	286°, 24%, 65%
HSV	286°, 24%, 73%
XYZ	36.9236, 32.5799, 51.3562
YIQ	158.1820, 6.1400, 20.8920

Conversions

Conversions Part 2

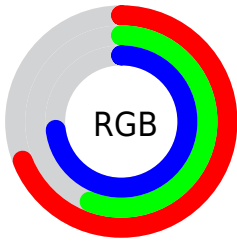
Format	Color
RYB	177, 143, 187
Decimal	11636667
CIELab	63.82, 20.78, -18.06
CIELCh	64, 27.535, 319.004
Yxy	32.5799, 0.3055, 0.2696
Android (android.graphics.Color)	4289826747 (0xFFB18FBB)
YUV	158.1820, 14.2073, 16.5034
Hunter-Lab	57.0788, 15.5816, -13.3905

Details

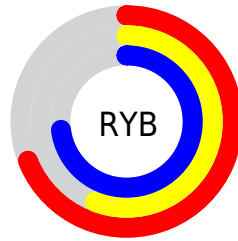
The XYZ color **36.9236, 32.5799, 51.3562** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **35.8662, 44.2970, 32.6480**, and the grayscale version is **32.5184, 34.2119, 37.2568**.

A 20% lighter version of the original color is **69.7482, 63.7272, 93.4185**, and **16.4424, 13.6606, 24.3244** is the 20% darker color. If you saturate the color by 10%, you get **33.3942, 26.9354, 50.4532**, and if you desaturate by 10%, it is **40.9531, 39.1786, 52.4180**.

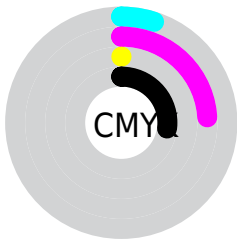
Distribution



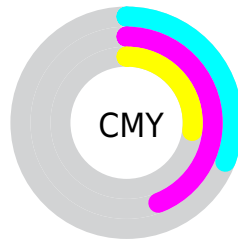
- Red (69%)
- Green (56%)
- Blue (73%)



- Red (69%)
- Yellow (56%)
- Blue (73%)



- Cyan (5%)
- Magenta (24%)
- Yellow (0%)
- Black (27%)





- Cyan (31%)
- Magenta (44%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.9236, 32.5799, 51.3562 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 36.9236, 32.5799, 51.3562 by changing the saturation by 10% instead.


 36.9236, 32.5799,
51.3562


 36.9236, 32.5799,
51.3562

324.3409,
313.7525, 408.8321

 25.3217, 21.8048,
36.1135


 69.7699, 63.7191,
93.5980

 16.4469, 13.7136,
24.2315


 91.7450, 84.8520,
121.4341

 9.9338, 7.9217,
15.2916


117.9086,
110.2063, 154.3051

 5.4170, 4.0449,
8.8754

148.6260,
140.1664, 192.6295

 2.5312, 1.6987,
4.5643

184.2625,
175.1166, 236.8259

 0.9110, 0.4228,
1.9397

225.1837,

 0.0000, 0.0000,

215.4415, 287.3127

0.5179

271.7547,
261.5253, 344.5086

■ 0.0000, 0.0000,
0.0000

■ 36.9236, 32.5799,
51.3562

■ 36.9236, 32.5799,
51.3562

■ 33.3942, 26.9354,
50.4532

■ 40.9531, 39.1786,
52.4180

■ 30.3385, 22.1945,
49.6992

■ 45.5015, 46.7706,
53.6437

■ 27.7319, 18.3080,
49.0864

■ 50.5904, 55.3979,
55.0407

■ 25.5467, 15.2205,
48.6056

■ 56.2390, 65.0988,
56.6154

■ 23.7515, 12.8700,
48.2465

■ 62.4657, 75.9097,
58.3740

■ 22.3104, 11.1850,
47.9973

■ 69.2229, 87.7346,
60.3003

■ 21.1802, 10.0797,
47.8435

■ 70.3926, 88.3376,
60.3550

■ 20.5590, 9.5624,
47.7764

■ 71.5942, 88.9570,
60.4112

■ 72.8281, 89.5931,
60.4690

Harmonies

Analogous

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



33.4509, 32.5799, 59.6555



36.9236, 32.5799, 51.3562



38.8531, 32.5799, 39.6925

Triad

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



36.9236, 32.5799, 51.3562



32.4061, 32.5799, 18.4083



24.4550, 32.5799, 42.8693

Complementary

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



36.9236, 32.5799, 51.3562



35.8662, 44.2970, 32.6480

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.



24.2261, 32.5799, 31.5655



36.9236, 32.5799, 51.3562



28.6077, 32.5799, 18.9098

Square

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



36.9236, 32.5799, 51.3562



36.1042, 32.5799, 21.7076



25.6868, 32.5799, 23.2587



26.3404, 32.5799, 54.0943

Rectangle

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



36.9236, 32.5799, 51.3562



38.9054, 32.5799, 32.2448



25.6868, 32.5799, 23.2587



24.1880, 32.5799, 38.9118

Sweetspot

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



36.9246, 32.5813, 51.3569



78.4620, 78.6803, 95.2528



31.7336, 32.2988, 51.5760



17.1691, 17.1436, 20.9467



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.



36.9246, 32.5813, 51.3569



62.9082, 53.1644, 91.1475



38.0811, 33.3167, 45.1195



9.7121, 9.5840, 12.0102



14.2300, 6.6219, 32.9211



0.6104, 0.2867, 1.2920

Inverse Universe

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



36.0668, 32.5110, 34.5127



61.1975, 53.0667, 55.6387



34.9932, 43.7387, 37.4925



9.6166, 9.5709, 10.3701



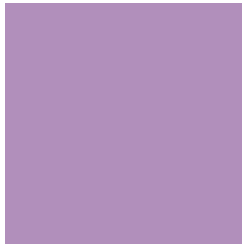
14.4376, 7.4062, 2.3322



0.5912, 0.3004, 0.2265

Previews

White Background



This preview shows how the XYZ color 36.9236, 32.5799, 51.3562 looks on a white background.

Color Contrast Check

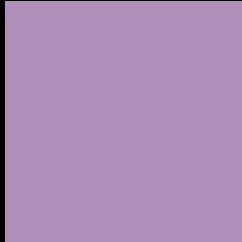
Large Text (above 18pt) WCAG AA × Fail

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 36.9236, 32.5799, 51.3562 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 36.9236, 32.5799, 51.3562

Background



This preview shows how black text looks on a background with the XYZ color 36.9236, 32.5799, 51.3562.



This preview shows how white text looks on a background with the XYZ color 36.9236, 32.5799,

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

36.9236, 32.5799, 51.3562

Protanopia

32.8059, 32.6972, 55.6211

Deuteranopia

33.3411, 32.6046, 50.4350



Tritanopia

34.1686, 32.6021, 37.7497

Trichromacy



Original Color

36.9236, 32.5799, 51.3562

Protanomaly

34.0560, 32.4246, 53.7538

Deuteranomaly

34.5571, 32.5115, 50.9084

Tritanomaly

34.9901, 32.4587, 42.4512

Monochromacy



Original Color

36.9236, 32.5799, 51.3562

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

34.0697, 33.6464, 42.2348

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.9236, 32.5799, 51.3562 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(177, 143, 187)` looks like.

```
.text, #text, p{  
    color:rgb(177, 143, 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(177, 143, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 143, 187) }
```

Border

The CSS property to change the border of an element to XYZ 36.9236, 32.5799, 51.3562 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(177, 143, 187) }
```


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

```
.border{ border-color:rgb(177, 143, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 143, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 143, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 143, 187);  
box-shadow:4px 4px 4px 4px rgb(177, 143,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 36.9236, 32.5799, 51.3562 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 143, 187) }
```

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

```
.background{ background-color: rgb(177,  
143, 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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