

Converting Colors

XYZ(36.7918, 27.7205, 50.1389)

Have a look what the booklet for
XYZ(36.7918, 27.7205, 50.1389)
contains.

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Color

**XYZ(36.6950, 27.6860,
49.8643)**

Conversions

Conversions Part 1

Format	Color
Hex	BE77BA
RGB	190, 119, 186
RGB Percent	75%, 47%, 73%
CMY	0.2549, 0.5333, 0.2706
CMYK	0.00, 0.37, 0.02, 0.25
HSL	303°, 35%, 61%
HSV	303°, 37%, 75%
XYZ	36.6950, 27.6860, 49.8643
YIQ	147.8670, 20.8090, 35.8890

Conversions

Conversions Part 2

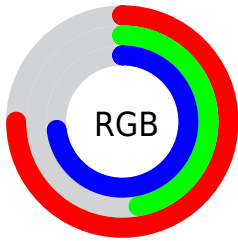
Format	Color
R _Y B	190, 119, 186
Decimal	12482490
CIE Lab	59.60, 38.20, -23.81
CIE LCh	60, 45.010, 328.064
Yxy	27.6860, 0.3212, 0.2423
Android (android.graphics.Color)	4290672570 (0xFFBE77BA)
YUV	147.8670, 18.7996, 36.9506
Hunter-Lab	52.6175, 32.4038, -19.3554

Details

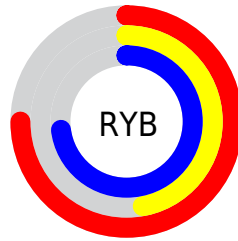
The XYZ color **36.6950, 27.6860, 49.8643** is a light color, and the websafe version is hex **996699**. A complement of this color would be **29.5976, 42.1799, 25.3221**, and the grayscale version is **28.0118, 29.4706, 32.0935**.

A 20% lighter version of the original color is **69.3284, 56.0721, 91.1734**, and **16.2924, 10.9786, 23.4507** is the 20% darker color. If you saturate the color by 10%, you get **34.5427, 23.5623, 48.5877**, and if you desaturate by 10%, it is **39.3020, 32.7165, 51.2973**.

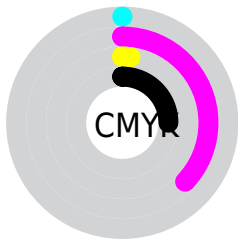
Distribution



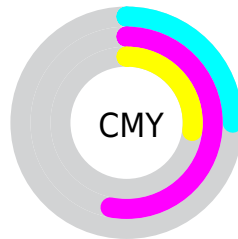
- Red (75%)
- Green (47%)
- Blue (73%)



- Red (75%)
- Yellow (47%)
- Blue (73%)



- Cyan (0%)
- Magenta (37%)
- Yellow (2%)
- Black (25%)




- Cyan (25%)
- Magenta (53%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.6950, 27.6860, 49.8643 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 36.6950, 27.6860, 49.8643 by changing the saturation by 10% instead.


 36.6950, 27.6860,
49.8643


 36.6950, 27.6860,
49.8643


323.3667,
290.9634, 402.8549


 25.1440, 18.0891,
34.9352


 69.4203, 55.9827,
91.3680

 16.3137, 11.0140,
23.3298


 91.3254, 75.4514,
118.7797

 9.8387, 6.0762,
14.6296

 117.4125, 98.9793,
151.1893

 5.3536, 2.8915,
8.4161

148.0471,
126.9511, 189.0153

 2.4930, 1.0753,
4.2708

183.5944,
159.7510, 232.6763

 0.8917, 0.0000,
1.7750

224.4199,

 0.0000, 0.0000,

197.7634, 282.5909

0.4114

270.8888,
241.3727, 339.1776

■ 0.0000, 0.0000,
0.0000

■ 36.6950, 27.6860,
49.8643

■ 36.6950, 27.6860,
49.8643

■ 34.5427, 23.5623,
48.5877

■ 39.3020, 32.7165,
51.2973

■ 32.8153, 20.2876,
47.4566

■ 42.3857, 38.6998,
52.8931

■ 31.4837, 17.8031,
46.4616


■ 45.9702, 45.6833,
54.6601


■ 30.5140, 16.0411,
45.5914


■ 50.0770, 53.7099,
56.6054


■ 29.8666, 14.9225,
44.8329


■ 54.7264, 62.8202,
58.7358


 29.4850, 14.3340,
44.1671

 59.9375, 73.0527,
61.0577

 29.4021, 14.2139,
43.9984

 65.7286, 84.4439,
63.5772

 66.7968, 86.3878,
64.5267

 66.9180, 86.4363,
65.1647

Harmonies

Analogous

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



31.7850, 27.6860, 66.9498



36.6950, 27.6860, 49.8643



38.7856, 27.6860, 31.2125

Triad

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



36.6950, 27.6860, 49.8643



26.6847, 27.6860, 8.4673



17.8181, 27.6860, 47.3524

Complementary

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



36.6950, 27.6860, 49.8643



29.5976, 42.1799, 25.3221

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.



16.8523, 27.6860, 29.1028



36.6950, 27.6860, 49.8643



21.5111, 27.6860, 10.1331

Square

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



36.6950, 27.6860, 49.8643



32.5140, 27.6860, 10.6517



18.1036, 27.6860, 16.4605



20.9582, 27.6860, 65.1702

Rectangle

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



36.6950, 27.6860, 49.8643



38.1017, 27.6860, 21.4621



18.1036, 27.6860, 16.4605



17.2501, 27.6860, 40.9022

Sweetspot

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



36.6959, 27.6872, 49.8649



80.7181, 77.7411, 97.7927



23.9965, 21.0906, 51.5221



17.5278, 16.6871, 21.3774



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



36.6959, 27.6872, 49.8649



63.1803, 43.8137, 88.4071



33.4150, 26.3749, 32.5879



9.9061, 9.6867, 11.8946



19.5603, 9.4553, 29.3080



0.7733, 0.3732, 1.1856

Inverse Universe

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



36.6959, 27.6872, 49.8649



63.1803, 43.8137, 88.4071



32.1982, 43.2202, 39.0169



9.9061, 9.6867, 11.8946



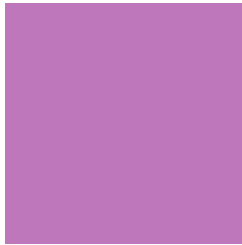
19.5603, 9.4553, 29.3080



0.7733, 0.3732, 1.1856

Previews

White Background



This preview shows how the XYZ color 36.6950, 27.6860, 49.8643 looks on a white background.

Color Contrast Check

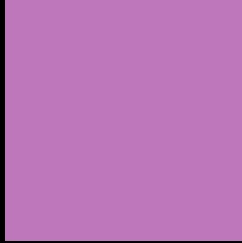
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.6950, 27.6860, 49.8643 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

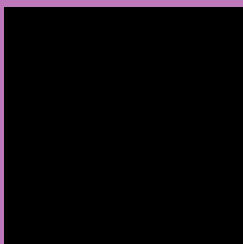
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 36.6950, 27.6860, 49.8643

Background



This preview shows how black text looks on a background with the XYZ color 36.6950, 27.6860, 49.8643.



This preview shows how white text looks on a background with the XYZ color 36.6950, 27.6860,

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

36.6950, 27.6860, 49.8643

Protanopia

28.9099, 28.0178, 60.3842

Deuteranopia

28.4496, 27.8304, 48.1283



Tritanopia

32.2776, 27.7549, 28.0821

Trichromacy



Original Color

36.6950, 27.6860, 49.8643

Protanomaly

30.9976, 27.4710, 56.4920

Deuteranomaly

30.8394, 27.3621, 48.4557

Tritanomaly

33.5841, 27.5066, 34.9917

Monochromacy



Original Color

36.6950, 27.6860, 49.8643

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

30.5715, 28.2865, 38.0310

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.6950, 27.6860, 49.8643 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(190, 119, 186)` looks like.

```
.text, #text, p{  
    color:rgb(190, 119, 186)  
}
```

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(190, 119, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 119, 186) }
```

Border

The CSS property to change the border of an element to XYZ 36.6950, 27.6860, 49.8643 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(190, 119, 186) }
```


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

```
.border{ border-color:rgb(190, 119, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 119, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 119, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 119, 186);  
box-shadow:4px 4px 4px 4px rgb(190, 119,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 36.6950, 27.6860, 49.8643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 119, 186) }
```

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

```
.background{ background-color: rgb(190,  
119, 186) }
```

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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