

Converting Colors

XYZ(35.9474, 29.6519, 50.9706)

Have a look what the booklet for
XYZ(35.9474, 29.6519, 50.9706)
contains.

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Color

**XYZ(36.0433, 29.7937,
50.8648)**

Conversions

Conversions Part 1

Format	Color
Hex	B484BB
RGB	180, 132, 187
RGB Percent	71%, 52%, 73%
CMY	0.2941, 0.4823, 0.2667
CMYK	0.04, 0.29, 0.00, 0.27
HSL	292°, 29%, 63%
HSV	292°, 29%, 73%
XYZ	36.0433, 29.7937, 50.8648
YIQ	152.6220, 10.9530, 27.2810

Conversions

Conversions Part 2

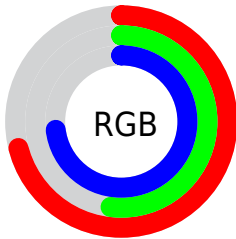
Format	Color
RYB	180, 132, 187
Decimal	11830459
CIELab	61.48, 27.96, -21.61
CIElCh	61, 35.336, 322.306
Yxy	29.7937, 0.3088, 0.2553
Android (android.graphics.Color)	4290020539 (0xFFB484BB)
YUV	152.6220, 16.9484, 24.0105
Hunter-Lab	54.5836, 22.3479, -17.0420

Details

The XYZ color **36.0433, 29.7937, 50.8648** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **32.5837, 42.6963, 28.3551**, and the grayscale version is **30.0404, 31.6048, 34.4177**.

A 20% lighter version of the original color is **68.3286, 59.4217, 92.6623**, and **15.9246, 12.1914, 24.0681** is the 20% darker color. If you saturate the color by 10%, you get **33.1822, 24.8863, 50.0688**, and if you desaturate by 10%, it is **39.3704, 35.6176, 51.8140**.

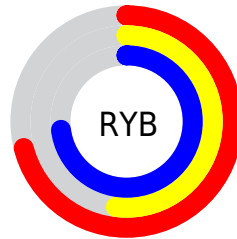
Distribution



Red (71%)

Green (52%)

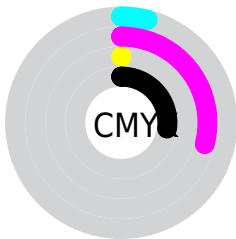
Blue (73%)



Red (71%)

Yellow (52%)

Blue (73%)

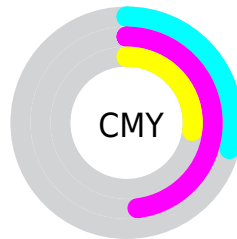


Cyan (4%)

Magenta (29%)

Yellow (0%)

Black (27%)



Cyan (29%)

Magenta (48%)


Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.0433, 29.7937, 50.8648 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 36.0433, 29.7937, 50.8648 by changing the saturation by 10% instead.


 36.0433, 29.7937,
50.8648


 36.0433, 29.7937,
50.8648

320.5777,
300.9417, 406.8698


 24.6379, 19.6821,
35.7250


 68.4223, 59.3358,
92.8643

 15.9348, 12.1641,
23.9339


 90.1267, 79.5350,
120.5612

 9.5686, 6.8556,
15.0729


 115.9947,
103.8655, 153.2809

 5.1739, 3.3719,
8.7233

146.3918,
132.7118, 191.4419

 2.3855, 1.3289,
4.4668

181.6833,
166.4581, 235.4627

 0.8379, 0.1634,
1.8848

222.2345,

 0.0000, 0.0000,

205.4889, 285.7619

0.4830

268.4109,
250.1886, 342.7581

■ 0.0000, 0.0000,
0.0000

■ 36.0433, 29.7937,
50.8648

■ 36.0433, 29.7937,
50.8648

■ 33.1822, 24.8863,
50.0688

■ 39.3704, 35.6176,
51.8140

■ 30.7598, 20.8430,
49.4161

■ 43.1831, 42.3991,
52.9220

■ 28.7505, 17.6120,
48.8983

■ 47.5033, 50.1816,
54.1965

■ 27.1248, 15.1341,
48.5057

■ 52.3510, 59.0044,
55.6440

■ 25.8491, 13.3425,
48.2271

■ 57.7448, 68.9051,
57.2707

■ 24.8840, 12.1582,
48.0494

■ 63.7024, 79.9190,
59.0826

■ 24.1560, 11.4345,
47.9481

■ 67.6671, 86.9325,
60.2274

■ 24.1152, 11.3957,
47.9427

■ 68.2938, 87.2556,
60.2567

■ 68.9305, 87.5839,
60.2865

Harmonies

Analogous

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



31.8688, 29.7937, 62.5629



36.0433, 29.7937, 50.8648



38.1931, 29.7937, 36.0104

Triad

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



36.0433, 29.7937, 50.8648



29.5386, 29.7937, 13.0313



20.7891, 29.7937, 43.2257

Complementary

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



36.0433, 29.7937, 50.8648



32.5837, 42.6963, 28.3551

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.



20.3112, 29.7937, 29.1143



36.0433, 29.7937, 50.8648



25.0413, 29.7937, 13.9759

Square

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



36.0433, 29.7937, 50.8648



34.1777, 29.7937, 16.0356



21.7839, 29.7937, 19.1079



23.1696, 29.7937, 57.3733

Rectangle

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



36.0433, 29.7937, 50.8648



38.0399, 29.7937, 27.2567



21.7839, 29.7937, 19.1079



20.4120, 29.7937, 38.2426

Sweetspot

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



36.0442, 29.7950, 50.8654



77.5327, 76.2810, 94.8387



27.7676, 27.0567, 50.7731



16.8408, 16.3810, 20.8168



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.



36.0442, 29.7950, 50.8654



61.3033, 47.7620, 90.1893



35.7054, 29.8525, 40.3597



9.8073, 9.6330, 12.0147



16.6578, 7.8735, 33.0347



0.6863, 0.3259, 1.2956

Inverse Universe

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



33.4060, 28.9327, 28.2514



55.9307, 46.0289, 43.1063



32.9683, 42.7194, 36.2867



9.5783, 9.5556, 10.1682



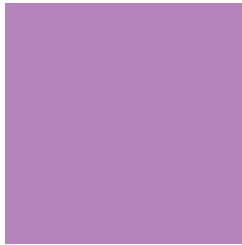
14.2476, 7.3302, 1.3314



0.5744, 0.2937, 0.1382

Previews

White Background



This preview shows how the XYZ color 36.0433, 29.7937, 50.8648 looks on a white background.

Color Contrast Check

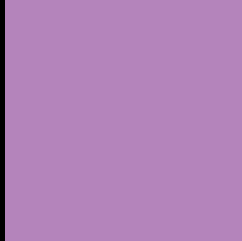
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.0433, 29.7937, 50.8648 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

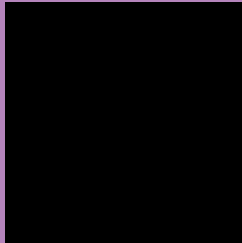
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 36.0433, 29.7937, 50.8648

Background



This preview shows how black text looks on a background with the XYZ color 36.0433, 29.7937, 50.8648.



This preview shows how white text looks on a background with the XYZ color 36.0433, 29.7937,

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

36.0433, 29.7937, 50.8648

Protanopia

30.6184, 30.0956, 57.6213

Deuteranopia

30.6077, 30.0382, 49.5322



Tritanopia

32.4168, 29.7812, 32.8940

Trichromacy



Original Color

36.0433, 29.7937, 50.8648

Protanomaly

32.1731, 29.8204, 55.0991

Deuteranomaly

32.3824, 29.8216, 49.9484

Tritanomaly

33.5465, 29.5998, 38.5956

Monochromacy



Original Color

36.0433, 29.7937, 50.8648

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

32.0212, 30.7539, 39.8457

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.0433, 29.7937, 50.8648 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(180, 132, 187)` looks like.

```
.text, #text, p{  
    color:rgb(180, 132, 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(180, 132, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 132, 187) }
```

Border

The CSS property to change the border of an element to XYZ 36.0433, 29.7937, 50.8648 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(180, 132, 187) }
```


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

```
.border{ border-color:rgb(180, 132, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 132, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 132, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 132, 187);  
box-shadow:4px 4px 4px 4px rgb(180, 132,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 36.0433, 29.7937, 50.8648 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 132, 187) }
```

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

```
.background{ background-color: rgb(180,  
132, 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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