

Converting Colors

XYZ(46.0351, 29.2495, 47.8410)

Have a look what the booklet for
XYZ(46.0351, 29.2495, 47.8410)
contains.

XYZ(46.1936, 29.3101, 48.0225)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(46.1936, 29.3101,
48.0225)**

Conversions

Conversions Part 1

Format	Color
Hex	E862B7
RGB	232, 98, 183
RGB Percent	91%, 38%, 72%
CMY	0.0902, 0.6157, 0.2824
CMYK	0.00, 0.58, 0.21, 0.09
HSL	322°, 74%, 65%
HSV	322°, 58%, 91%
XYZ	46.1936, 29.3101, 48.0225
YIQ	147.7560, 52.5790, 54.8430

Conversions

Conversions Part 2

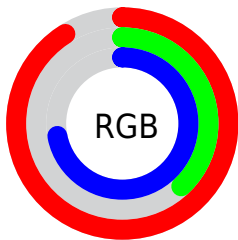
Format	Color
R _Y B	232, 98, 183
Decimal	15229623
CIE Lab	61.05, 60.98, -19.39
CIE LCh	61, 63.990, 342.365
Yxy	29.3101, 0.3740, 0.2373
Android (android.graphics.Color)	4293419703 (0xFFE862B7)
YUV	147.7560, 17.3753, 73.8820
Hunter-Lab	54.1388, 57.5611, -14.6946

Details

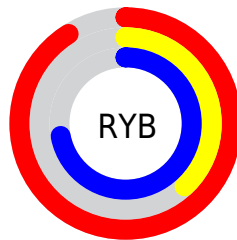
The XYZ color **46.1936, 29.3101, 48.0225** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **39.1615, 62.4173, 37.5904**, and the grayscale version is **27.9626, 29.4188, 32.0371**.

A 20% lighter version of the original color is **68.3756, 50.6032, 87.8250**, and **21.9560, 11.8822, 22.2554** is the 20% darker color. If you saturate the color by 10%, you get **43.4723, 25.2381, 42.8892**, and if you desaturate by 10%, it is **49.5988, 34.6641, 53.6470**.

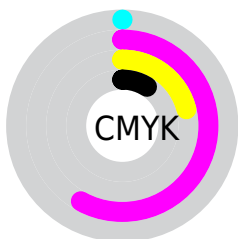
Distribution



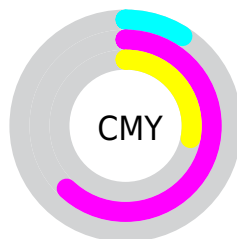
- Red (91%)
- Green (38%)
- Blue (72%)



- Red (91%)
- Yellow (38%)
- Blue (72%)



- Cyan (0%)
- Magenta (58%)
- Yellow (21%)
- Black (9%)





- Cyan (9%)
- Magenta (62%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.1936, 29.3101, 48.0225 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 46.1936, 29.3101, 48.0225 by changing the saturation by 10% instead.


 46.1936, 29.3101,
48.0225


 46.1936, 29.3101,
48.0225

362.2893,
298.6753, 395.3926


 32.6039, 19.3155,
33.4846


 83.7348, 58.5694,
88.6038


 21.9810, 11.8985,
22.2238


 108.4169, 78.6029,
115.4843

 13.9594, 6.6746,
13.8215


 137.5273,
102.7516, 147.3160

 8.1740, 3.2594,
7.8593

 171.4312,
131.3997, 184.5175

 4.2592, 1.2686,
3.9186

210.4940,
164.9318, 227.5074

 1.8498, 0.1167,
1.5808

255.0810,

 0.5474, 0.0000,

203.7321, 276.7042

0.2771

305.5577,
248.1852, 332.5264

■ 0.0000, 0.0000,
0.0000

■ 46.1936, 29.3101,
48.0225

■ 46.1936, 29.3101,
48.0225

■ 43.4723, 25.2381,
42.8892

■ 49.5988, 34.6641,
53.6470

■ 41.3753, 22.3313,
38.2217

■ 53.7356, 41.3947,
59.7822

■ 39.8366, 20.4589,
33.9938

■ 58.6501, 49.5928,
66.4481

■ 38.7653, 19.4409,
30.1701

■ 64.3838, 59.3401,
73.6628

■ 38.5579, 19.2675,
29.3565

■ 70.9754, 70.7121,
81.4434

■ 78.4607, 83.7796,
89.8058

■ 85.1243, 95.1100,
98.1823

■ 86.4313, 95.6329,
105.0651

■ 87.0888, 95.8959,
108.5274

Harmonies

Analogous

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



40.1782, 29.3101, 79.5513



46.1936, 29.3101, 48.0225



46.7326, 29.3101, 23.0225

Triad

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



46.1936, 29.3101, 48.0225



24.5507, 29.3101, 4.7381



17.5743, 29.3101, 74.1648

Complementary

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



46.1936, 29.3101, 48.0225



39.1615, 62.4173, 37.5904

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.



14.9042, 29.3101, 42.8418



46.1936, 29.3101, 48.0225



18.3558, 29.3101, 8.5283

Square

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



46.1936, 29.3101, 48.0225



33.0269, 29.3101, 5.0525



15.1582, 29.3101, 19.8823



23.2593, 29.3101, 99.1211

Rectangle

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



46.1936, 29.3101, 48.0225



43.7924, 29.3101, 13.0460



15.1582, 29.3101, 19.8823



16.3509, 29.3101, 63.5110

Sweetspot

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



46.1945, 29.3116, 48.0231



80.2979, 74.4129, 91.9065



30.5942, 20.5741, 78.7029



16.8589, 15.3654, 19.2714



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.



46.1945, 29.3116, 48.0231



53.4058, 30.6057, 52.1852



40.9235, 27.2032, 20.2665



14.7598, 14.5211, 16.9353



21.4683, 10.7216, 16.6271



1.6307, 0.8100, 1.4620

Inverse Universe

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



46.1945, 29.3116, 48.0231



53.4058, 30.6057, 52.1852



45.7657, 65.0590, 72.3677



14.7598, 14.5211, 16.9353



21.4683, 10.7216, 16.6271



1.6307, 0.8100, 1.4620

Previews

White Background



This preview shows how the XYZ color 46.1936, 29.3101, 48.0225 looks on a white background.

Color Contrast Check

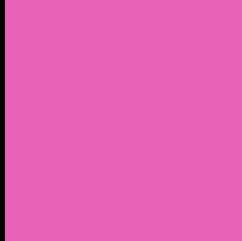
Large Text (above 18pt) WCAG AA ✓ Pass

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 46.1936, 29.3101, 48.0225 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

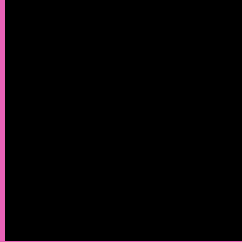
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 46.1936, 29.3101, 48.0225

Background



This preview shows how black text looks on a background with the XYZ color 46.1936, 29.3101, 48.0225.



This preview shows how white text looks on a background with the XYZ color 46.1936, 29.3101,

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

46.1936, 29.3101, 48.0225

Protanopia

30.9487, 29.5237, 70.3971

Deuteranopia

30.0225, 29.3770, 45.1623



Tritanopia

40.6593, 29.3351, 21.2886

Trichromacy



Original Color

46.1936, 29.3101, 48.0225



Protanomaly

33.8429, 27.6327, 61.3075



Deuteranomaly

34.3165, 28.0171, 46.2470



Tritanomaly

42.3154, 29.2023, 29.3929

Monochromacy



Original Color

46.1936, 29.3101, 48.0225



Achromatopsia

28.1479, 29.6138, 32.2495



Achromatomaly

33.0061, 28.1222, 37.4067

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.1936, 29.3101, 48.0225 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(232, 98, 183)` looks like.

```
.text, #text, p{  
    color:rgb(232, 98, 183)  
}
```

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(232, 98, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 98, 183) }
```

Border

The CSS property to change the border of an element to XYZ 46.1936, 29.3101, 48.0225 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(232, 98, 183) }
```


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

```
.border{ border-color:rgb(232, 98, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 98, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 98, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 98, 183);  
box-shadow:4px 4px 4px 4px rgb(232, 98,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 46.1936, 29.3101, 48.0225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 98, 183) }
```

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

```
.background{ background-color: rgb(232, 98,  
183) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor