

Converting Colors

XYZ(48.1380, 30.3594, 57.3452)

Have a look what the booklet for
XYZ(48.1380, 30.3594, 57.3452)
contains.

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Color

**XYZ(48.1447, 30.3937,
57.3619)**

Conversions

Conversions Part 1

Format	Color
Hex	E864C7
RGB	232, 100, 199
RGB Percent	91%, 39%, 78%
CMY	0.0902, 0.6078, 0.2196
CMYK	0.00, 0.57, 0.14, 0.09
HSL	315°, 74%, 65%
HSV	315°, 57%, 91%
XYZ	48.1447, 30.3937, 57.3619
YIQ	150.7540, 46.8930, 58.7730

Conversions

Conversions Part 2

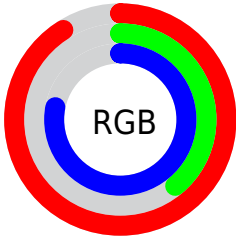
Format	Color
R _Y B	232, 100, 199
Decimal	15230151
CIE Lab	61.99, 62.40, -27.06
CIE LCh	62, 68.012, 336.555
Yxy	30.3937, 0.3543, 0.2236
Android (android.graphics.Color)	4293420231 (0xFFE864C7)
YUV	150.7540, 23.7853, 71.2527
Hunter-Lab	55.1305, 59.4033, -23.0984

Details

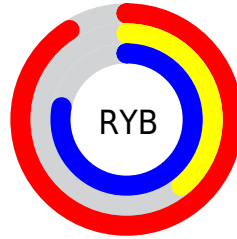
The XYZ color **48.1447, 30.3937, 57.3619** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **38.3473, 62.1171, 32.1616**, and the grayscale version is **29.1992, 30.7198, 33.4539**.

A 20% lighter version of the original color is **71.1785, 52.2569, 100.9428**, and **23.1032, 12.4462, 27.9727** is the 20% darker color. If you saturate the color by 10%, you get **45.5674, 26.2959, 53.2432**, and if you desaturate by 10%, it is **51.3831, 35.7714, 61.8281**.

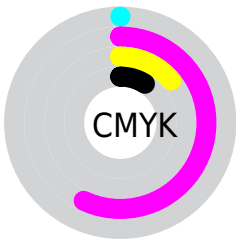
Distribution



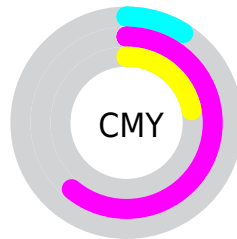
- Red (91%)
- Green (39%)
- Blue (78%)



- Red (91%)
- Yellow (39%)
- Blue (78%)



- Cyan (0%)
- Magenta (57%)
- Yellow (14%)
- Black (9%)




- Cyan (9%)
- Magenta (61%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.1447, 30.3937, 57.3619 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 48.1447, 30.3937, 57.3619 by changing the saturation by 10% instead.


 48.1447, 30.3937,
57.3619

 48.1447, 30.3937,
57.3619

369.9384,
303.7353, 432.3357


 34.1532, 20.1376,
40.8846


 86.6282, 60.2842,
102.4986

 23.1748, 12.4951,
27.9099


 111.8509, 80.6875,
131.9951

 14.8440, 7.0818,
18.0193


 141.5481,
105.2419, 166.6684

 8.7956, 3.5133,
10.7943


 176.0851,
134.3319, 206.9370

 4.6641, 1.4052,
5.8162

215.8273,
168.3418, 253.2195

 2.0843, 0.2206,
2.6667

261.1400,

 0.6807, 0.0000,

207.6561, 305.9344

0.9266

312.3886,
252.6591, 365.5003

■ 0.0000, 0.0000,
0.0000

■ 48.1447, 30.3937,
57.3619

■ 48.1447, 30.3937,
57.3619

■ 45.5674, 26.2959,
53.2432

■ 51.3831, 35.7714,
61.8281

■ 43.5924, 23.3628,
49.4504

■ 55.3287, 42.5226,
66.6578

■ 42.1558, 21.4661,
45.9609

■ 60.0268, 50.7370,
71.8677

■ 41.1738, 20.4390,
42.7453

■ 65.5183, 60.4955,
77.4728

■ 40.9187, 20.2118,
41.7878

■ 71.8406, 71.8730,
83.4869

■ 79.0292, 84.9396,
89.9230

■ 84.7082, 94.9436,
95.9905

■ 85.5821, 95.2932,
100.5921

■ 86.4837, 95.6538,
105.3400

Harmonies

Analogous

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



40.6401, 30.3937, 92.0373



48.1447, 30.3937, 57.3619



50.0426, 30.3937, 27.6855

Triad

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



48.1447, 30.3937, 57.3619



26.9325, 30.3937, 4.0756



16.9689, 30.3937, 72.9154

Complementary

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



48.1447, 30.3937, 57.3619



38.3473, 62.1171, 32.1616

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.



14.7360, 30.3937, 39.1636



48.1447, 30.3937, 57.3619



19.6532, 30.3937, 6.9259

Square

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



48.1447, 30.3937, 57.3619



36.4407, 30.3937, 5.0953



15.6034, 30.3937, 16.8658



22.4589, 30.3937, 103.8463

Rectangle

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



48.1447, 30.3937, 57.3619



47.5815, 30.3937, 15.3381



15.6034, 30.3937, 16.8658



15.8717, 30.3937, 61.0013

Sweetspot

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



48.1457, 30.3952, 57.3625



81.0498, 74.7137, 95.8663



28.7972, 19.9289, 78.6734



17.0373, 15.4368, 20.2109



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.



48.1457, 30.3952, 57.3625



56.0665, 31.9701, 65.2704



42.0708, 27.9652, 25.3727



14.8331, 14.5504, 17.3213



22.7692, 11.2419, 23.4775



1.7191, 0.8454, 1.9274

Inverse Universe

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



48.1457, 30.3952, 57.3625



56.0665, 31.9701, 65.2704



44.4222, 64.5470, 64.1518



14.8331, 14.5504, 17.3213



22.7692, 11.2419, 23.4775



1.7191, 0.8454, 1.9274

Previews

White Background



This preview shows how the XYZ color 48.1447, 30.3937, 57.3619 looks on a white background.

Color Contrast Check

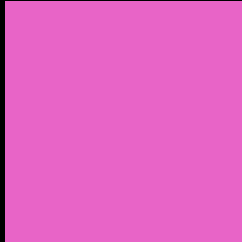
Large Text (above 18pt) WCAG AA × Fail

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 48.1447, 30.3937, 57.3619 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

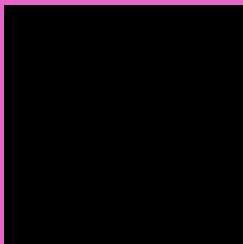
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.1447, 30.3937, 57.3619

Background



This preview shows how black text looks on a background with the XYZ color 48.1447, 30.3937, 57.3619.



This preview shows how white text looks on a background with the XYZ color 48.1447, 30.3937,

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

48.1447, 30.3937, 57.3619

Protanopia

32.9102, 30.7055, 83.5491

Deuteranopia

31.1654, 30.4687, 53.5287



Tritanopia

41.2957, 30.4708, 23.4436

Trichromacy



Original Color

48.1447, 30.3937, 57.3619



Protanomaly

35.6000, 28.6639, 73.4684



Deuteranomaly

35.3994, 28.9743, 54.7658



Tritanomaly

43.4291, 30.1628, 33.6700

Monochromacy



Original Color

48.1447, 30.3937, 57.3619



Achromatopsia

29.4150, 30.9469, 33.7012



Achromatomaly

34.1415, 29.0330, 40.8503

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.1447, 30.3937, 57.3619 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, 100, 199)` looks like.

```
.text, #text, p{  
    color:rgb(232, 100, 199)  
}
```

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, 100, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 100, 199) }
```

Border

The CSS property to change the border of an element to XYZ 48.1447, 30.3937, 57.3619 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, 100, 199) }
```


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

```
.border{ border-color:rgb(232, 100, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 100, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 100, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 100, 199);  
box-shadow:4px 4px 4px 4px rgb(232, 100,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 48.1447, 30.3937, 57.3619 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 100, 199) }
```

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

```
.background{ background-color: rgb(232,  
100, 199) }
```

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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