

Converting Colors

XYZ(47.3656, 29.1330, 50.5290)

Have a look what the booklet for
XYZ(47.3656, 29.1330, 50.5290)
contains.

XYZ(47.5835, 29.2924, 50.7230)	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(47.5835, 29.2924,
50.7230)**

Conversions

Conversions Part 1

Format	Color
Hex	EC5DBC
RGB	236, 93, 188
RGB Percent	93%, 36%, 74%
CMY	0.0745, 0.6353, 0.2627
CMYK	0.00, 0.61, 0.20, 0.07
HSL	320°, 79%, 65%
HSV	320°, 61%, 93%
XYZ	47.5835, 29.2924, 50.7230
YIQ	146.5870, 54.7330, 59.8610

Conversions

Conversions Part 2

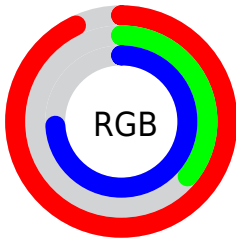
Format	Color
R _Y B	236, 93, 188
Decimal	15490492
CIE Lab	61.04, 64.95, -22.21
CIE LCh	61, 68.647, 341.119
Yxy	29.2924, 0.3729, 0.2296
Android (android.graphics.Color)	4293680572 (0xFFEC5DBC)
YUV	146.5870, 20.4166, 78.4152
Hunter-Lab	54.1225, 62.2197, -17.6803

Details

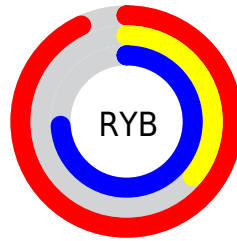
The XYZ color **47.5835, 29.2924, 50.7230** is a light color, and the websafe version is hex **FF66CC**. The color can be described as light muted rose. A complement of this color would be **39.3189, 64.2421, 35.5299**, and the grayscale version is **27.4668, 28.8972, 31.4691**.

A 20% lighter version of the original color is **68.4755, 49.6043, 91.5535**, and **22.9199, 11.9269, 24.0158** is the 20% darker color. If you saturate the color by 10%, you get **44.9917, 25.4380, 45.7606**, and if you desaturate by 10%, it is **50.8629, 34.4463, 56.1464**.

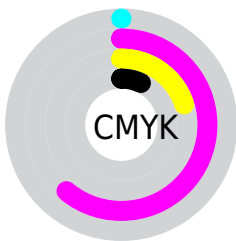
Distribution



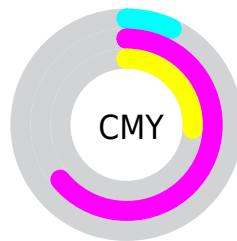
- Red (93%)
- Green (36%)
- Blue (74%)



- Red (93%)
- Yellow (36%)
- Blue (74%)



- Cyan (0%)
- Magenta (61%)
- Yellow (20%)
- Black (7%)




- Cyan (7%)
- Magenta (64%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.5835, 29.2924, 50.7230 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 47.5835, 29.2924, 50.7230 by changing the saturation by 10% instead.


 47.5835, 29.2924,
50.7230

 47.5835, 29.2924,
50.7230

367.7490,
298.5921, 406.3024


 33.7070, 19.3021,
35.6130


 85.7974, 58.5413,
92.6525


 22.8305, 11.8888,
23.8481


 110.8656, 78.5688,
120.3091

 14.5884, 6.6680,
15.0099


 140.3950,
102.7107, 152.9849

 8.6154, 3.2553,
8.6796

 174.7511,
131.3516, 191.0986

 4.5463, 1.2665,
4.4388

214.2992,
164.8758, 235.0687

 2.0156, 0.1150,
1.8690

259.4046,

 0.6427, 0.0000,

203.6677, 285.3136

0.4729

310.4328,
248.1116, 342.2520

■ 0.0000, 0.0000,
0.0000

■ 47.5835, 29.2924,
50.7230

■ 47.5835, 29.2924,
50.7230

■ 44.9917, 25.4380,
45.7606

■ 50.8629, 34.4463,
56.1464

■ 43.0232, 22.7565,
41.2334

■ 54.8812, 41.0021,
62.0508

■ 41.6052, 21.1035,
37.1135

■ 59.6876, 49.0568,
68.4563

■ 40.6592, 20.2598,
33.5673

■ 65.3263, 58.6977,
75.3810

■ 71.8381, 70.0052,
82.8420

79.2610, 83.0544,
90.8552

86.5987, 95.8516,
99.0918

87.8244, 96.3418,
105.5459

88.4022, 96.5730,
108.5889

Harmonies

Analogous

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



40.8103, 29.2924, 85.5357



47.5835, 29.2924, 50.7230



48.4536, 29.2924, 23.2770

Triad

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



47.5835, 29.2924, 50.7230



24.6427, 29.2924, 3.8189



16.7542, 29.2924, 76.7195

Complementary

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



47.5835, 29.2924, 50.7230



39.3189, 64.2421, 35.5299

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.



14.1031, 29.2924, 42.4127



47.5835, 29.2924, 50.7230



17.9602, 29.2924, 7.2627

Square

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



47.5835, 29.2924, 50.7230



33.8114, 29.2924, 4.2555



14.4911, 29.2924, 18.4188



22.6193, 29.2924, 105.2955

Rectangle

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



47.5835, 29.2924, 50.7230



45.3943, 29.2924, 12.5559



14.4911, 29.2924, 18.4188



15.5212, 29.2924, 64.8855

Sweetspot

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



47.5844, 29.2939, 50.7236



79.7327, 73.1771, 92.0431



29.9842, 19.5202, 81.5447



16.6067, 14.8697, 19.1606



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.



47.5844, 29.2939, 50.7236



52.9303, 29.3264, 53.0385



41.7087, 26.9436, 19.7826



15.4874, 15.2228, 17.8520



22.4747, 11.1926, 18.8328



1.8093, 0.8967, 1.7129

Inverse Universe

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



47.5844, 29.2939, 50.7236



52.9303, 29.3264, 53.0385



46.4155, 67.0807, 72.9003



15.4874, 15.2228, 17.8520



22.4747, 11.1926, 18.8328



1.8093, 0.8967, 1.7129

Previews

White Background



This preview shows how the XYZ color 47.5835, 29.2924, 50.7230 looks on a white background.

Color Contrast Check

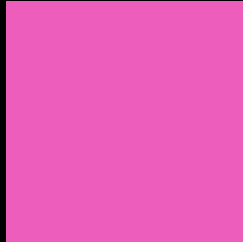
Large Text (above 18pt) WCAG AA ✓ Pass

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 47.5835, 29.2924, 50.7230 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 47.5835, 29.2924, 50.7230

Background



This preview shows how black text looks on a background with the XYZ color 47.5835, 29.2924, 50.7230.



This preview shows how white text looks on a background with the XYZ color 47.5835, 29.2924,

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

47.5835, 29.2924, 50.7230

Protanopia

31.6002, 29.7038, 77.4667

Deuteranopia

30.0655, 29.3528, 47.2610



Tritanopia

41.1590, 29.1179, 20.5905

Trichromacy



Original Color

47.5835, 29.2924, 50.7230



Protanomaly

34.1690, 27.3029, 66.4199



Deuteranomaly

34.4713, 27.6698, 48.3237



Tritanomaly

43.1870, 29.0396, 29.3156

Monochromacy



Original Color

47.5835, 29.2924, 50.7230



Achromatopsia

27.7328, 29.1771, 31.7738



Achromatomaly

32.7014, 27.3711, 37.7420

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.5835, 29.2924, 50.7230 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(236, 93, 188)` looks like.

```
.text, #text, p{  
    color:rgb(236, 93, 188)  
}
```

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(236, 93, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 93, 188) }
```

Border

The CSS property to change the border of an element to XYZ 47.5835, 29.2924, 50.7230 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(236, 93, 188) }
```


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

```
.border{ border-color:rgb(236, 93, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 93, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 93, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 93, 188);  
box-shadow:4px 4px 4px 4px rgb(236, 93,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 47.5835, 29.2924, 50.7230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 93, 188) }
```

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

```
.background{ background-color: rgb(236, 93,  
188) }
```

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