

Converting Colors

XYZ(47.3146, 29.0048, 56.3636)

Have a look what the booklet for
XYZ(47.3146, 29.0048, 56.3636)
contains.

XYZ(47.3861, 29.0617, 56.5380)	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(47.3861, 29.0617,
56.5380)**

Conversions

Conversions Part 1

Format	Color
Hex	E85DC6
RGB	232, 93, 198
RGB Percent	91%, 36%, 78%
CMY	0.0902, 0.6353, 0.2235
CMYK	0.00, 0.60, 0.15, 0.09
HSL	315°, 75%, 64%
HSV	315°, 60%, 91%
XYZ	47.3861, 29.0617, 56.5380
YIQ	146.5310, 49.1390, 62.1230

Conversions

Conversions Part 2

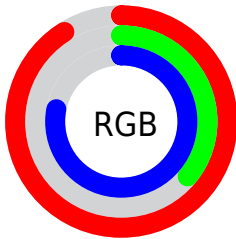
Format	Color
R _Y B	232, 93, 198
Decimal	15228358
CIE Lab	60.84, 65.28, -28.28
CIE LCh	61, 71.139, 336.579
Yxy	29.0617, 0.3563, 0.2185
Android (android.graphics.Color)	4293418438 (0xFFE85DC6)
YUV	146.5310, 25.3742, 74.9563
Hunter-Lab	53.9089, 62.5615, -24.4453

Details

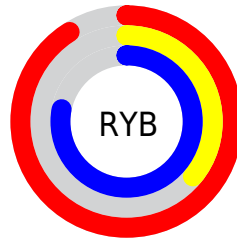
The XYZ color **47.3861, 29.0617, 56.5380** is a light color, and the websafe version is hex **FF66CC**. The color can be described as light muted magenta. A complement of this color would be **37.2030, 61.5737, 30.0053**, and the grayscale version is **27.4256, 28.8539, 31.4219**.

A 20% lighter version of the original color is **70.1963, 50.2927, 100.6154**, and **22.7070, 11.7766, 27.4619** is the 20% darker color. If you saturate the color by 10%, you get **45.0076, 25.3324, 52.5759**, and if you desaturate by 10%, it is **50.4085, 34.0386, 60.8363**.

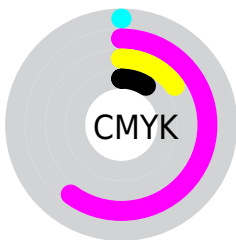
Distribution



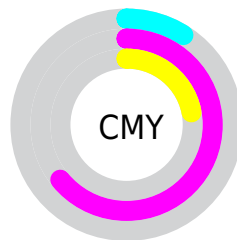
- Red (91%)
- Green (36%)
- Blue (78%)



- Red (91%)
- Yellow (36%)
- Blue (78%)



- Cyan (0%)
- Magenta (60%)
- Yellow (15%)
- Black (9%)





- Cyan (9%)
- Magenta (64%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.3861, 29.0617, 56.5380 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 47.3861, 29.0617, 56.5380 by changing the saturation by 10% instead.


 47.3861, 29.0617,
56.5380


 47.3861, 29.0617,
56.5380

366.9768,
297.5060, 429.1610


 33.5502, 19.1275,
40.2275


 85.5049, 58.1751,
101.2844


 22.7095, 11.7624,
27.4009


 110.5185, 78.1231,
130.5574

 14.4987, 6.5821,
17.6394


 139.9888,
102.1778, 164.9883

 8.5523, 3.2022,
10.5247

 174.2810,
130.7236, 204.9958

 4.5051, 1.2382,
5.6381

213.7606,
164.1450, 250.9982

 1.9917, 0.0926,
2.5611

258.7928,

 0.6293, 0.0000,

202.8262, 303.4142

0.8723

309.7431,
247.1517, 362.6623

■ 0.0000, 0.0000,
0.0000

■ 47.3861, 29.0617,
56.5380

■ 47.3861, 29.0617,
56.5380

■ 45.0076, 25.3324,
52.5759

■ 50.4085, 34.0386,
60.8363

■ 43.2121, 22.7306,
48.9275

■ 54.1228, 40.3602,
65.4873

■ 41.9315, 21.1202,
45.5692


■ 58.5756, 48.1187,
70.5080

■ 41.0486, 20.2674,
42.4606

■ 63.8087, 57.3971,
75.9137


■ 41.0414, 20.2609,
42.4336

■ 69.8604, 68.2722,
81.7183

 76.7668, 80.8152,
87.9351

 84.4314, 94.8329,
94.5330

 85.2774, 95.1713,
98.9877

 86.1499, 95.5203,
103.5821

Harmonies

Analogous

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



39.6454, 29.0617, 92.7691



47.3861, 29.0617, 56.5380



49.3461, 29.0617, 26.1545

Triad

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



47.3861, 29.0617, 56.5380



25.6326, 29.0617, 3.2133



15.6524, 29.0617, 72.7805

Complementary

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



47.3861, 29.0617, 56.5380



37.2030, 61.5737, 30.0053

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.



13.4447, 29.0617, 37.8508



47.3861, 29.0617, 56.5380



18.3148, 29.0617, 5.8225

Square

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



47.3861, 29.0617, 56.5380



35.3185, 29.0617, 4.1300



14.2970, 29.0617, 15.3982



21.1342, 29.0617, 105.2550

Rectangle

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



47.3861, 29.0617, 56.5380



46.7944, 29.0617, 13.8759



14.2970, 29.0617, 15.3982



14.5659, 29.0617, 60.3711

Sweetspot

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



47.3871, 29.0631, 56.5386



80.3595, 73.4278, 95.3442



27.0022, 18.0492, 78.4052



16.7607, 14.9313, 19.9718



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.



47.3871, 29.0631, 56.5386



55.1626, 30.4751, 64.0053



41.2280, 26.5995, 24.1057



14.8365, 14.5518, 17.3394



22.8367, 11.2689, 23.8326



1.7236, 0.8472, 1.9511

Inverse Universe

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



47.3871, 29.0631, 56.5386



55.1626, 30.4751, 64.0053



43.2148, 63.9785, 61.6631



14.8365, 14.5518, 17.3394



22.8367, 11.2689, 23.8326



1.7236, 0.8472, 1.9511

Previews

White Background



This preview shows how the XYZ color 47.3861, 29.0617, 56.5380 looks on a white background.

Color Contrast Check

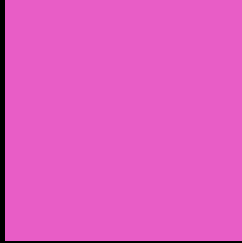
Large Text (above 18pt) WCAG AA ✓ Pass

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 47.3861, 29.0617, 56.5380 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

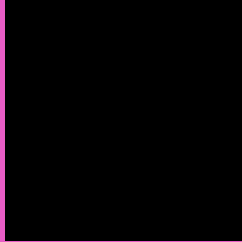
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 47.3861, 29.0617, 56.5380

Background



This preview shows how black text looks on a background with the XYZ color 47.3861, 29.0617, 56.5380.

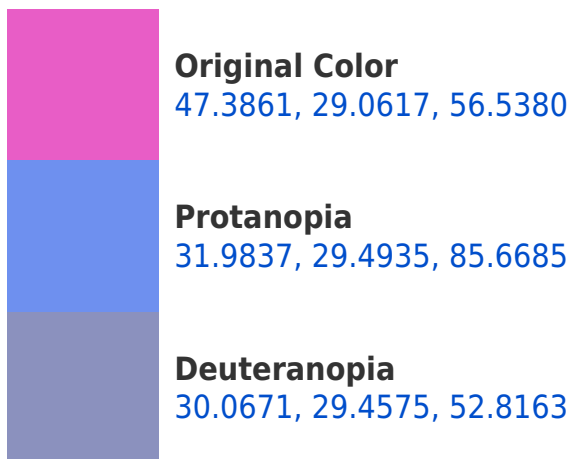


This preview shows how white text looks on a background with the XYZ color 47.3861, 29.0617,

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





Tritanopia

40.0968, 29.0380, 21.5807

Trichromacy



Original Color

47.3861, 29.0617, 56.5380



Protanomaly

34.1146, 26.9191, 73.9189



Deuteranomaly

34.3201, 27.6562, 53.9814



Tritanomaly

42.2574, 28.8089, 31.7672

Monochromacy



Original Color

47.3861, 29.0617, 56.5380



Achromatopsia

27.7328, 29.1771, 31.7738



Achromatomaly

32.8324, 27.3969, 39.6341

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.3861, 29.0617, 56.5380 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, 93, 198)` looks like.

```
.text, #text, p{  
    color:rgb(232, 93, 198)  
}
```

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, 93, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 93, 198) }
```

Border

The CSS property to change the border of an element to XYZ 47.3861, 29.0617, 56.5380 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, 93, 198) }
```


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

```
.border{ border-color:rgb(232, 93, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 93, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(232, 93, 198); -webkit-box-shadow:4px 4px 4px 4px rgb(232, 93, 198); box-shadow:4px 4px 4px 4px rgb(232, 93, 198) }
```

Background

The CSS property to change the background color of an element to XYZ 47.3861, 29.0617, 56.5380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 93, 198) }
```

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

```
.background{ background-color: rgb(232, 93,  
198) }
```

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