

Converting Colors

XYZ(48.7825, 28.2575, 67.2041)

Have a look what the booklet for
XYZ(48.7825, 28.2575, 67.2041)
contains.

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Color

**XYZ(48.8873, 28.2645,
67.1689)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | E952D7 |
| RGB | 233, 82, 215 |
| RGB Percent | 91%, 32%, 84% |
| CMY | 0.0863, 0.6784, 0.1569 |
| CMYK | 0.00, 0.65, 0.08, 0.09 |
| HSL | 307°, 77%, 62% |
| HSV | 307°, 65%, 91% |
| XYZ | 48.8873, 28.2645, 67.1689 |
| YIQ | 142.3110, 47.3030, 73.3750 |

Conversions

Conversions Part 2

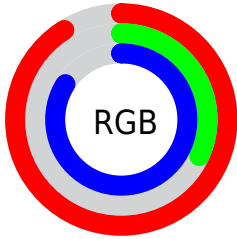
| Format | Color |
|-------------------------------------|--|
| RYB | 233, 82, 215 |
| Decimal | 15291095 |
| CIELab | 60.13, 72.48, -39.00 |
| CIELCh | 60, 82.305, 331.714 |
| Yxy | 28.2645, 0.3387, 0.1958 |
| Android (android.graphics.Color) | 4293481175 (0xFFE952D7) |
| YUV | 142.3110, 35.8357, 79.5343 |
| Hunter-Lab | 53.1644, 71.1021, -37.6931 |

Details

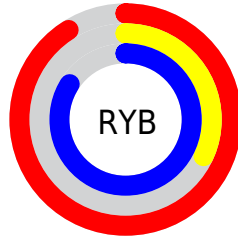
The XYZ color **48.8873, 28.2645, 67.1689** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **34.9202, 60.9929, 21.9909**, and the grayscale version is **25.6850, 27.0226, 29.4276**.

A 20% lighter version of the original color is **68.8149, 47.5298, 100.1550**, and **23.8007, 11.5367, 34.2301** is the 20% darker color. If you saturate the color by 10%, you get **47.0654, 25.1865, 64.8156**, and if you desaturate by 10%, it is **51.3135, 32.5401, 69.7539**.

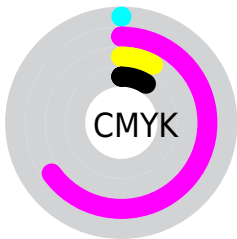
Distribution



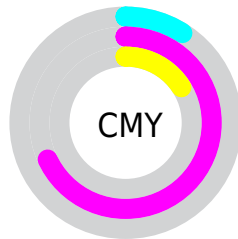
- Red (91%)
- Green (32%)
- Blue (84%)



- Red (91%)
- Yellow (32%)
- Blue (84%)



- Cyan (0%)
- Magenta (65%)
- Yellow (8%)
- Black (9%)



- Cyan (9%)
- Magenta (68%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.8873, 28.2645, 67.1689 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 48.8873, 28.2645, 67.1689 by changing the saturation by 10% instead.


 48.8873, 28.2645,
67.1689


 48.8873, 28.2645,
67.1689


372.8228,
293.7286, 469.0636


 34.7443, 18.5251,
48.7594

 87.7258, 56.9065,
116.8053

 23.6315, 11.3277,
34.0644


 113.1519, 76.5778,
148.8694

 15.1838, 6.2877,
22.6653


 143.0698,
100.3287, 186.3221

 9.0356, 3.0208,
14.1436

 177.8448,
128.5434, 229.5819

 4.8217, 1.1426,
8.0807

217.8422,
161.6063, 279.0674

 2.1767, 0.0141,
4.0581

263.4275,

 0.7304, 0.0000,

199.9019, 335.1972

1.6573

314.9659,
243.8146, 398.3897

■ 0.0000, 0.0000,
0.3312

■ 0.0000, 0.0000,
0.0000

■ 48.8873, 28.2645,
67.1689

■ 48.8873, 28.2645,
67.1689

■ 47.0654, 25.1865,
64.8156

■ 51.3135, 32.5401,
69.7539

■ 45.7816, 23.1755,
62.6713


■ 54.3953, 38.1180,
72.5874


■ 44.9593, 22.0781,
60.7104


■ 58.1822, 45.0961,
75.6860


■ 44.6512, 21.7424,
59.7428


■ 62.7178, 53.5618,
79.0645

 68.0424, 63.5955,
82.7365

 74.1931, 75.2717,
86.7145

 81.2050, 88.6602,
91.0103

 84.6832, 94.9713,
94.1591

 85.0928, 95.1351,
96.3161

Harmonies

Analogous

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



38.9541, 28.2645, 110.9675



48.8873, 28.2645, 67.1689



52.5599, 28.2645, 29.0754

Triad

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



48.8873, 28.2645, 67.1689



26.2643, 28.2645, 1.5998



13.0763, 28.2645, 72.3443

Complementary

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



48.8873, 28.2645, 67.1689



34.9202, 60.9929, 21.9909

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.



11.3011, 28.2645, 32.5400



48.8873, 28.2645, 67.1689



17.5774, 28.2645, 3.1257

Square

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



48.8873, 28.2645, 67.1689



37.6275, 28.2645, 2.7636



12.7056, 28.2645, 10.6855



18.3788, 28.2645, 115.0905

Rectangle

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



48.8873, 28.2645, 67.1689



50.3615, 28.2645, 13.9405



12.7056, 28.2645, 10.6855



12.1204, 28.2645, 57.5489

Sweetspot

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



48.8883, 28.2658, 67.1695



80.5778, 72.5214, 99.5570



22.9399, 14.6068, 78.7020



16.8495, 14.7740, 21.0337



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.



48.8883, 28.2658, 67.1695



57.1236, 29.8839, 78.5723



41.3479, 25.2497, 27.4622



15.6330, 15.2810, 18.6186



25.3663, 12.3492, 34.0601



2.0137, 0.9785, 2.7896

Inverse Universe

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



48.8883, 28.2658, 67.1695



57.1236, 29.8839, 78.5723



40.3692, 63.1725, 50.6852



15.6330, 15.2810, 18.6186



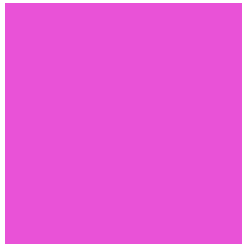
25.3663, 12.3492, 34.0601



2.0137, 0.9785, 2.7896

Previews

White Background



This preview shows how the XYZ color 48.8873, 28.2645, 67.1689 looks on a white background.

Color Contrast Check

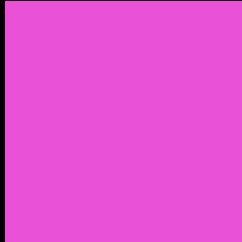
Large Text (above 18pt) WCAG AA ✓ Pass

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 48.8873, 28.2645, 67.1689 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

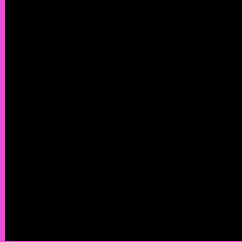
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 48.8873, 28.2645, 67.1689

Background



This preview shows how black text looks on a background with the XYZ color 48.8873, 28.2645, 67.1689.

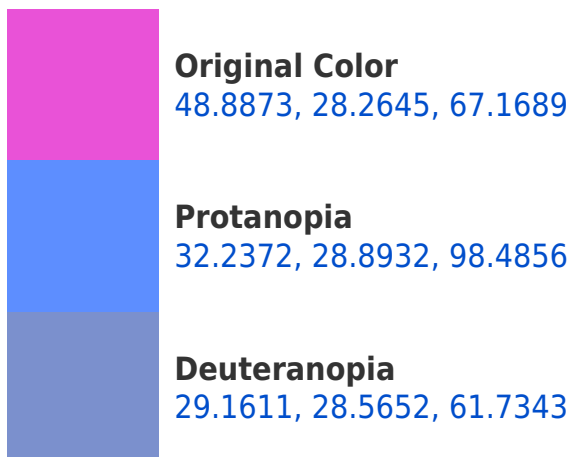


This preview shows how white text looks on a background with the XYZ color 48.8873, 28.2645,

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

39.2774, 28.1478, 20.5025

Trichromacy



Original Color

48.8873, 28.2645, 67.1689



Protanomaly

33.9462, 25.6535, 85.6005



Deuteranomaly

33.4503, 26.0647, 63.5896



Tritanomaly

41.9855, 27.7451, 33.2795

Monochromacy



Original Color

48.8873, 28.2645, 67.1689



Achromatopsia

25.7108, 27.0498, 29.4572



Achromatomaly

31.5571, 25.4115, 40.7778

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.8873, 28.2645, 67.1689 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(233, 82, 215)` looks like.

```
.text, #text, p{  
    color:rgb(233, 82, 215)  
}
```

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(233, 82, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 82, 215) }
```

Border

The CSS property to change the border of an element to XYZ 48.8873, 28.2645, 67.1689 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(233, 82, 215) }
```


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

```
.border{ border-color:rgb(233, 82, 215) }
```

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

Here you see how a box with a 4 pixel rgb(233, 82, 215) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 82, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 82, 215);  
box-shadow:4px 4px 4px 4px rgb(233, 82,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 48.8873, 28.2645, 67.1689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 82, 215) }
```

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

```
.background{ background-color: rgb(233, 82,  
215) }
```

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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