

Converting Colors

XYZ(42.9316, 28.1820, 36.9363)

Have a look what the booklet for
XYZ(42.9316, 28.1820, 36.9363)
contains.

XYZ(42.9851, 28.1815, 36.8922)	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(42.9851, 28.1815,
36.8922)**

Conversions

Conversions Part 1

Format	Color
Hex	E464A1
RGB	228, 100, 161
RGB Percent	89%, 39%, 63%
CMY	0.1059, 0.6078, 0.3686
CMYK	0.00, 0.56, 0.29, 0.11
HSL	331°, 70%, 64%
HSV	331°, 56%, 89%
XYZ	42.9851, 28.1815, 36.8922
YIQ	145.2260, 56.7070, 46.1070

Conversions

Conversions Part 2

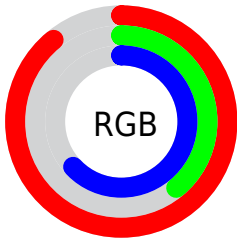
Format	Color
R _Y B	228, 100, 161
Decimal	14967969
CIE Lab	60.05, 55.98, -8.30
CIE LCh	60, 56.593, 351.562
Yxy	28.1815, 0.3978, 0.2608
Android (android.graphics.Color)	4293158049 (0xFFE464A1)
YUV	145.2260, 7.7766, 72.5928
Hunter-Lab	53.0863, 51.6344, -4.0431

Details

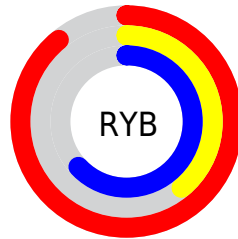
The XYZ color **42.9851, 28.1815, 36.8922** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **39.9754, 60.9870, 46.2272**, and the grayscale version is **26.9597, 28.3637, 30.8881**.

A 20% lighter version of the original color is **65.3560, 49.6606, 71.1066**, and **20.0405, 11.2886, 15.8745** is the 20% darker color. If you saturate the color by 10%, you get **40.0934, 24.0028, 30.9811**, and if you desaturate by 10%, it is **46.5906, 33.6267, 43.5375**.

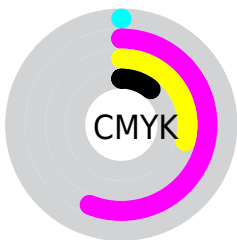
Distribution



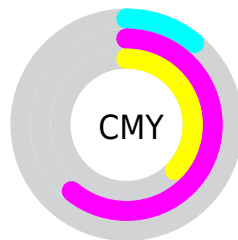
- Red (89%)
- Green (39%)
- Blue (63%)



- Red (89%)
- Yellow (39%)
- Blue (63%)



- Cyan (0%)
- Magenta (56%)
- Yellow (29%)
- Black (11%)





- Cyan (11%)
- Magenta (61%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.9851, 28.1815, 36.8922 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 42.9851, 28.1815, 36.8922 by changing the saturation by 10% instead.

 42.9851, 28.1815,
36.8922


 42.9851, 28.1815,
36.8922


349.4730,
293.3332, 347.9982


 30.0679, 18.4625,
24.8289


 78.9442, 56.7741,
71.5914


 20.0385, 11.2826,
15.7318


 102.7169, 76.4165,
95.0644

 12.5314, 6.2572,
9.1823


 130.8387,
100.1355, 123.1778

 7.1815, 3.0021,
4.7618

 163.6750,
128.3155, 156.3500

 3.6232, 1.1328,
2.0519

201.5913,
161.3408, 194.9996

 1.4912, 0.0058,
0.5869

244.9528,

 0.3199, 0.0000,

199.5960, 239.5451

0.0000

294.1250,
243.4653, 290.4052

■ 0.0000, 0.0000,
0.0000

■ 42.9851, 28.1815,
36.8922

■ 42.9851, 28.1815,
36.8922

■ 40.0934, 24.0028,
30.9811

■ 46.5906, 33.6267,
43.5375

■ 37.8579, 20.9803,
25.7704

■ 50.9567, 40.4281,
50.9450

■ 36.2152, 18.9917,
21.2247

■ 56.1287, 48.6721,
59.1429

■ 35.0859, 17.8833,
17.3025

■ 62.1475, 58.4366,
68.1571

■ 34.7366, 17.5907,
15.9341

■ 69.0513, 69.7939,
78.0122

■ 76.8757, 82.8117,
88.7317

■ 84.1671, 94.5789,
99.8422

■ 85.8050, 95.2340,
108.4673

Harmonies

Analogous

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



39.1875, 28.1815, 62.6042



42.9851, 28.1815, 36.8922



41.8701, 28.1815, 18.2772

Triad

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



42.9851, 28.1815, 36.8922



22.0040, 28.1815, 6.5818



19.0538, 28.1815, 73.5110

Complementary

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



42.9851, 28.1815, 36.8922



39.9754, 60.9870, 46.2272

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.



15.8443, 28.1815, 47.7243



42.9851, 28.1815, 36.8922



17.3226, 28.1815, 12.0199

Square

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



42.9851, 28.1815, 36.8922



28.8734, 28.1815, 5.7750



15.2731, 28.1815, 25.2160



24.8010, 28.1815, 89.1516

Rectangle

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



42.9851, 28.1815, 36.8922



38.5645, 28.1815, 11.1535



15.2731, 28.1815, 25.2160



17.6886, 28.1815, 65.3108

Sweetspot

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



42.9859, 28.1829, 36.8927



79.3054, 74.0159, 86.6801



34.3161, 22.8389, 75.9987



16.6243, 15.2716, 18.0364



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.



42.9859, 28.1829, 36.8927



51.2652, 30.3612, 39.0266



39.0607, 26.9446, 15.2004



14.6616, 14.4818, 16.4182



20.1172, 10.1811, 9.5121



1.5333, 0.7710, 0.9488

Inverse Universe

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



42.9859, 28.1829, 36.8927



51.2652, 30.3612, 39.0266



46.4202, 62.6316, 83.0415



14.6616, 14.4818, 16.4182



20.1172, 10.1811, 9.5121



1.5333, 0.7710, 0.9488

Previews

White Background



This preview shows how the XYZ color 42.9851, 28.1815, 36.8922 looks on a white background.

Color Contrast Check

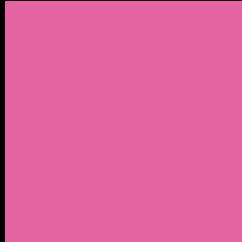
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.9851, 28.1815, 36.8922 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

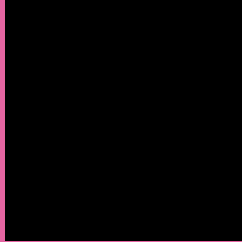
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 42.9851, 28.1815, 36.8922

Background



This preview shows how black text looks on a background with the XYZ color 42.9851, 28.1815, 36.8922.



This preview shows how white text looks on a background with the XYZ color 42.9851, 28.1815,

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

42.9851, 28.1815, 36.8922

Protanopia

28.9404, 28.6508, 52.7200

Deuteranopia

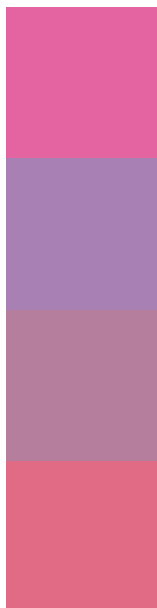
28.9588, 28.3849, 34.9629



Tritanopia

39.4200, 28.0689, 20.1698

Trichromacy



Original Color

42.9851, 28.1815, 36.8922

Protanomaly

32.0043, 27.0178, 46.1760

Deuteranomaly

32.8381, 27.3011, 35.4372

Tritanomaly

40.4390, 28.0091, 25.4652

Monochromacy



Original Color

42.9851, 28.1815, 36.8922

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

31.1154, 27.0488, 32.8591

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.9851, 28.1815, 36.8922 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(228, 100, 161)` looks like.

```
.text, #text, p{  
    color:rgb(228, 100, 161)  
}
```

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(228, 100, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 100, 161) }
```

Border

The CSS property to change the border of an element to XYZ 42.9851, 28.1815, 36.8922 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(228, 100, 161) }
```


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

```
.border{ border-color:rgb(228, 100, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 100, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 100, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 100, 161);  
box-shadow:4px 4px 4px 4px rgb(228, 100,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 42.9851, 28.1815, 36.8922 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 100, 161) }
```

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

```
.background{ background-color: rgb(228,  
100, 161) }
```

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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