

Converting Colors

XYZ(36.8615, 28.7522, 61.7297)

Have a look what the booklet for
XYZ(36.8615, 28.7522, 61.7297)
contains.

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Color

**XYZ(36.9615, 28.8429,
62.0117)**

Conversions

Conversions Part 1

Format	Color
Hex	B27ECE
RGB	178, 126, 206
RGB Percent	70%, 49%, 81%
CMY	0.3020, 0.5059, 0.1922
CMYK	0.14, 0.39, 0.00, 0.19
HSL	279°, 45%, 65%
HSV	279°, 39%, 81%
XYZ	36.9615, 28.8429, 62.0117
YIQ	150.6680, 5.3120, 35.9040

Conversions

Conversions Part 2

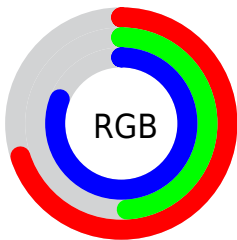
Format	Color
R_{YB}	178, 126, 206
Decimal	11697870
CIE _{Lab}	60.64, 34.60, -33.64
CIE _{LCh}	61, 48.256, 315.807
Yxy	28.8429, 0.2892, 0.2257
Android (android.graphics.Color)	4289887950 (0xFFB27ECE)
YUV	150.6680, 27.2787, 23.9702
Hunter-Lab	53.7056, 28.8633, -30.8659

Details

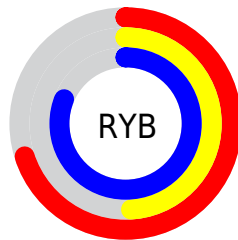
The XYZ color **36.9615, 28.8429, 62.0117** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **39.1646, 52.5197, 27.8130**, and the grayscale version is **29.1602, 30.6788, 33.4092**.

A 20% lighter version of the original color is **68.4310, 57.1224, 102.0268**, and **16.4825, 11.6883, 30.6655** is the 20% darker color. If you saturate the color by 10%, you get **32.9827, 23.2764, 61.1474**, and if you desaturate by 10%, it is **41.5716, 35.5413, 63.0621**.

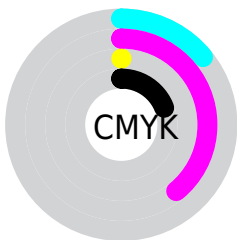
Distribution



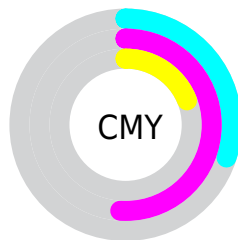
- Red (70%)
- Green (49%)
- Blue (81%)



- Red (70%)
- Yellow (49%)
- Blue (81%)



- Cyan (14%)
- Magenta (39%)
- Yellow (0%)
- Black (19%)





- Cyan (30%)
- Magenta (51%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.9615, 28.8429, 62.0117 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 36.9615, 28.8429, 62.0117 by changing the saturation by 10% instead.


 36.9615, 28.8429,
62.0117

 36.9615, 28.8429,
62.0117

324.5022,
296.4730, 449.9826


 25.3512, 18.9620,
44.6063


 69.8278, 57.8274,
109.3142

 16.4690, 11.6428,
30.8068

 91.8145, 77.6998,
140.0484

 9.9496, 6.5010,
20.1945


 117.9907,
101.6715, 176.0626

 5.4276, 3.1520,
12.3510

148.7219,
130.1268, 217.7753

 2.5376, 1.2116,
6.8578

184.3732,
163.4503, 265.6052

 0.9142, 0.0712,
3.2962

225.3102,

 0.0000, 0.0000,

202.0262, 319.9706

1.2478

271.8980,
246.2390, 381.2903

■ 0.0000, 0.0000,
0.0184

■ 0.0000, 0.0000,
0.0000

■ 36.9615, 28.8429,
62.0117

■ 36.9615, 28.8429,
62.0117

■ 32.9827, 23.2764,
61.1474

■ 41.5716, 35.5413,
63.0621

■ 29.5974, 18.7704,
60.4561

■ 46.8420, 43.4301,
64.3070

■ 26.7679, 15.2511,
59.9259

■ 52.8032, 52.5677,
65.7566

■ 24.4506, 12.6330,
59.5427

■ 59.4831, 63.0079,
67.4196

■ 22.5942, 10.8157,
59.2898

■ 66.9078, 74.8011,
69.3046

■ 21.1169, 9.6379,
59.1403

■ 75.1020, 87.9950,
71.4194

■ 20.9563, 9.5164,
59.1253

■ 79.0455, 92.5476,
72.0903

■ 81.3873, 93.7548,
72.1999

■ 83.8256, 95.0118,
72.3140

Harmonies

Analogous

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



30.8187, 28.8429, 77.5040



36.9615, 28.8429, 62.0117



40.7882, 28.8429, 40.6188

Triad

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



36.9615, 28.8429, 62.0117



30.4667, 28.8429, 8.4650



17.4037, 28.8429, 41.7401

Complementary

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



36.9615, 28.8429, 62.0117



39.1646, 52.5197, 27.8130

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.



17.3391, 28.8429, 23.7019



36.9615, 28.8429, 62.0117



24.2704, 28.8429, 8.5701

Square

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



36.9615, 28.8429, 62.0117



36.6703, 28.8429, 12.6317



19.6714, 28.8429, 13.0088



19.8638, 28.8429, 63.0964

Rectangle

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



36.9615, 28.8429, 62.0117



41.1871, 28.8429, 28.0510



19.6714, 28.8429, 13.0088



17.1153, 28.8429, 35.0162

Sweetspot

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



36.9625, 28.8441, 62.0123



82.2222, 80.0316, 105.7218



31.5227, 32.4468, 62.9944



17.3223, 16.7051, 22.5614



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.



36.9625, 28.8441, 62.0123



54.1907, 38.7438, 99.2299



42.8033, 31.9998, 55.7489



11.2916, 11.1997, 14.1370



13.0125, 5.9157, 36.4123



0.7514, 0.3465, 1.8822

Inverse Universe

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



38.7481, 30.3778, 34.3943



57.8705, 41.8081, 46.6656



35.1679, 50.3756, 31.4129



11.3718, 11.2774, 12.4923



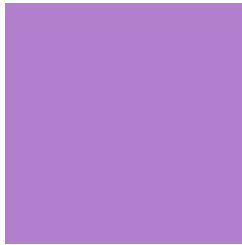
16.4376, 8.3856, 4.7569



0.8837, 0.4469, 0.4337

Previews

White Background



This preview shows how the XYZ color 36.9615, 28.8429, 62.0117 looks on a white background.

Color Contrast Check

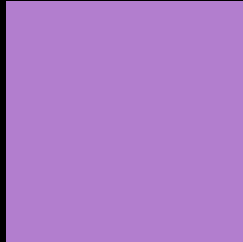
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.9615, 28.8429, 62.0117 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

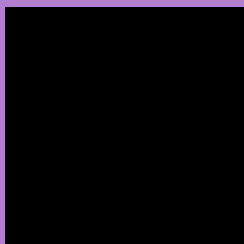
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 36.9615, 28.8429, 62.0117

Background



This preview shows how black text looks on a background with the XYZ color 36.9615, 28.8429, 62.0117.



This preview shows how white text looks on a background with the XYZ color 36.9615, 28.8429,

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

36.9615, 28.8429, 62.0117

Protanopia

30.7701, 29.1600, 72.4133

Deuteranopia

29.6882, 29.1043, 59.9301



Tritanopia

30.8755, 28.7819, 32.3619

Trichromacy



Original Color

36.9615, 28.8429, 62.0117

Protanomaly

32.3248, 28.5119, 68.7654

Deuteranomaly

31.7220, 28.5997, 60.3483

Tritanomaly

32.7941, 28.7231, 41.8459

Monochromacy



Original Color

36.9615, 28.8429, 62.0117

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

31.7216, 29.8633, 42.6204

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.9615, 28.8429, 62.0117 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(178, 126, 206)` looks like.

```
.text, #text, p{  
    color:rgb(178, 126, 206)  
}
```

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(178, 126, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 126, 206) }
```

Border

The CSS property to change the border of an element to XYZ 36.9615, 28.8429, 62.0117 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(178, 126, 206) }
```


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

```
.border{ border-color:rgb(178, 126, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 126, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 126, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 126, 206);  
box-shadow:4px 4px 4px 4px rgb(178, 126,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 36.9615, 28.8429, 62.0117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 126, 206) }
```

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

```
.background{ background-color: rgb(178,  
126, 206) }
```

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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