

Converting Colors

XYZ(36.2065, 27.7791, 29.1184)

Have a look what the booklet for
XYZ(36.2065, 27.7791, 29.1184)
contains.

XYZ(36.2628, 27.7472, 29.0357)	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(36.2628, 27.7472,
29.0357)**

Conversions

Conversions Part 1

Format	Color
Hex	CC768E
RGB	204, 118, 142
RGB Percent	80%, 46%, 56%
CMY	0.2000, 0.5372, 0.4431
CMYK	0.00, 0.42, 0.30, 0.20
HSL	343°, 46%, 63%
HSV	343°, 42%, 80%
XYZ	36.2628, 27.7472, 29.0357
YIQ	146.4500, 43.5520, 25.6960

Conversions

Conversions Part 2

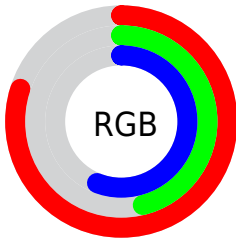
Format	Color
RYB	204, 118, 142
Decimal	13399694
CIELab	59.66, 36.52, 1.72
CIElCh	60, 36.563, 2.689
Yxy	27.7472, 0.3897, 0.2982
Android (android.graphics.Color)	4291589774 (0xFFCC768E)
YUV	146.4500, -2.1938, 50.4714
Hunter-Lab	52.6756, 30.7002, 4.1913

Details

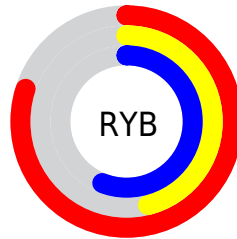
The XYZ color **36.2628, 27.7472, 29.0357** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **37.3036, 50.3333, 50.9318**, and the grayscale version is **27.5033, 28.9356, 31.5108**.

A 20% lighter version of the original color is **65.9563, 54.7506, 59.3162**, and **15.9715, 10.9901, 11.4047** is the 20% darker color. If you saturate the color by 10%, you get **33.0827, 23.0391, 22.8823**, and if you desaturate by 10%, it is **40.1096, 33.5553, 36.1308**.

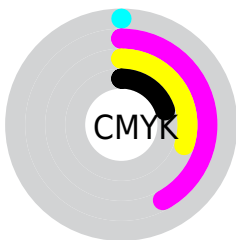
Distribution



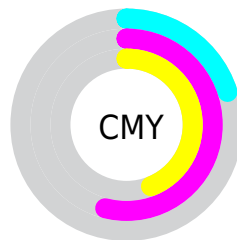
- Red (80%)
- Green (46%)
- Blue (56%)



- Red (80%)
- Yellow (46%)
- Blue (56%)



- Cyan (0%)
- Magenta (42%)
- Yellow (30%)
- Black (20%)





- Cyan (20%)
- Magenta (54%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.2628, 27.7472, 29.0357 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 36.2628, 27.7472, 29.0357 by changing the saturation by 10% instead.


 36.2628, 27.7472,
29.0357


 36.2628, 27.7472,
29.0357


321.5190,
291.2570, 311.4496


 24.8083, 18.1352,
18.8620


 68.7587, 56.0806,
59.1767

 16.0622, 11.0471,
11.3948


 90.5308, 75.5707,
79.9810

 9.6593, 6.0985,
6.2156


 116.4728, 99.1224,
105.1660

 5.2342, 2.9051,
2.9057

146.9501,
127.1199, 135.1502

 2.4215, 1.0824,
1.0467

182.3280,
159.9478, 170.3521

 0.8558, 0.0000,
0.0000

222.9719,

 0.0000, 0.0000,

197.9903, 211.1903

0.0000

269.2471,
241.6319, 258.0833

■ 36.2628, 27.7472,
29.0357

■ 36.2628, 27.7472,
29.0357

■ 33.0827, 23.0391,
22.8823

■ 40.1096, 33.5553,
36.1308

■ 30.5276, 19.3569,
17.6280

■ 44.6571, 40.5230,
44.2045

■ 28.5543, 16.6240,
13.2288


■ 49.9394, 48.7105,
53.2935


■ 27.1131, 14.7510,
9.6363


■ 55.9878, 58.1726,
63.4322


■ 26.1449, 13.6312,
6.7962

■ 62.8318, 68.9608,
74.6532

 25.6386, 13.1321,
5.0443

 70.4993, 81.1237,
86.9878

 77.1365, 90.9473,
99.8392

 78.7120, 91.5774,
108.1354

Harmonies

Analogous

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



35.0657, 27.7472, 43.4310



36.2628, 27.7472, 29.0357



34.5648, 27.7472, 18.4639

Triad

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



36.2628, 27.7472, 29.0357



21.8664, 27.7472, 13.4785



22.5088, 27.7472, 58.8723

Complementary

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



36.2628, 27.7472, 29.0357



37.3036, 50.3333, 50.9318

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.



19.5897, 27.7472, 46.1139



36.2628, 27.7472, 29.0357



19.2504, 27.7472, 19.9909

Square

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



36.2628, 27.7472, 29.0357



25.9589, 27.7472, 11.2776



18.4676, 27.7472, 31.4196



26.7912, 27.7472, 63.3558

Rectangle

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



36.2628, 27.7472, 29.0357



32.1232, 27.7472, 14.1763



18.4676, 27.7472, 31.4196



21.3533, 27.7472, 55.2563

Sweetspot

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



36.2636, 27.7486, 29.0362



81.7594, 79.1981, 86.6529



36.1157, 26.9773, 60.4307



17.0641, 16.2744, 17.8034



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.



36.2636, 27.7486, 29.0362



55.0214, 38.4962, 38.3591



37.0665, 31.9340, 21.3514



11.3388, 11.2643, 12.3189



16.1716, 8.2792, 3.3564



0.8671, 0.4402, 0.3460

Inverse Universe

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



36.2636, 27.7486, 29.0362



55.0214, 38.4962, 38.3591



35.7971, 43.0637, 63.5524



11.3388, 11.2643, 12.3189



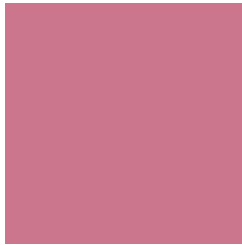
16.1716, 8.2792, 3.3564



0.8671, 0.4402, 0.3460

Previews

White Background



This preview shows how the XYZ color 36.2628, 27.7472, 29.0357 looks on a white background.

Color Contrast Check

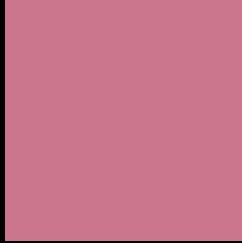
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.2628, 27.7472, 29.0357 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

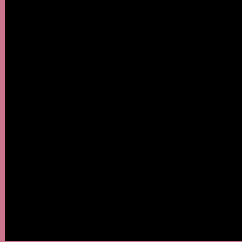
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 36.2628, 27.7472, 29.0357

Background



This preview shows how black text looks on a background with the XYZ color 36.2628, 27.7472, 29.0357.



This preview shows how white text looks on a background with the XYZ color 36.2628, 27.7472,

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

36.2628, 27.7472, 29.0357

Protanopia

27.2360, 27.9189, 35.8517

Deuteranopia

28.3173, 27.7738, 27.9132



Tritanopia

35.3075, 27.7144, 24.2574

Trichromacy



Original Color

36.2628, 27.7472, 29.0357

Protanomaly

29.7096, 27.3165, 33.4125

Deuteranomaly

30.6810, 27.3268, 28.0836

Tritanomaly

35.5285, 27.6114, 26.0112

Monochromacy



Original Color

36.2628, 27.7472, 29.0357

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

29.8513, 27.8681, 30.5938

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.2628, 27.7472, 29.0357 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(204, 118, 142)` looks like.

```
.text, #text, p{  
    color:rgb(204, 118, 142)  
}
```

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(204, 118, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 118, 142) }
```

Border

The CSS property to change the border of an element to XYZ 36.2628, 27.7472, 29.0357 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(204, 118, 142) }
```


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

```
.border{ border-color:rgb(204, 118, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 118, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 118, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 118, 142);  
box-shadow:4px 4px 4px 4px rgb(204, 118,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 36.2628, 27.7472, 29.0357 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 118, 142) }
```

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

```
.background{ background-color: rgb(204,  
118, 142) }
```

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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