

Converting Colors

XYZ(36.2112, 27.8427, 30.8478)

Have a look what the booklet for
XYZ(36.2112, 27.8427, 30.8478)
contains.

XYZ(36.1423, 27.8255, 30.6601)	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(36.1423, 27.8255,
30.6601)**

Conversions

Conversions Part 1

Format	Color
Hex	CA7792
RGB	202, 119, 146
RGB Percent	79%, 47%, 57%
CMY	0.2078, 0.5333, 0.4274
CMYK	0.00, 0.41, 0.28, 0.21
HSL	340°, 44%, 63%
HSV	340°, 41%, 79%
XYZ	36.1423, 27.8255, 30.6601
YIQ	146.8950, 40.8010, 25.9930

Conversions

Conversions Part 2

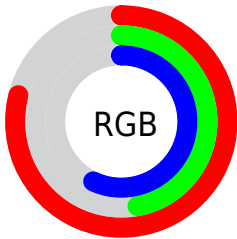
Format	Color
R _Y B	202, 119, 146
Decimal	13268882
CIE Lab	59.73, 35.81, -0.52
CIE LCh	60, 35.818, 359.169
Yxy	27.8255, 0.3819, 0.2941
Android (android.graphics.Color)	4291458962 (0xFFCA7792)
YUV	146.8950, -0.4412, 48.3271
Hunter-Lab	52.7499, 29.9894, 2.4635

Details

The XYZ color **36.1423, 27.8255, 30.6601** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **36.4674, 49.2590, 48.1458**, and the grayscale version is **27.6804, 29.1220, 31.7138**.

A 20% lighter version of the original color is **66.6089, 55.3173, 61.8102**, and **16.0325, 11.0898, 12.3619** is the 20% darker color. If you saturate the color by 10%, you get **32.9910, 23.1195, 24.6869**, and if you desaturate by 10%, it is **39.9325, 33.6065, 37.4705**.

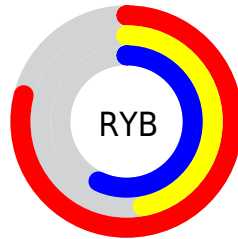
Distribution



Red (79%)

Green (47%)

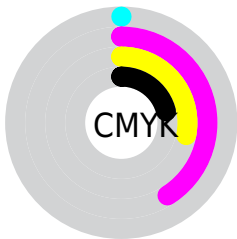
Blue (57%)



Red (79%)

Yellow (47%)

Blue (57%)

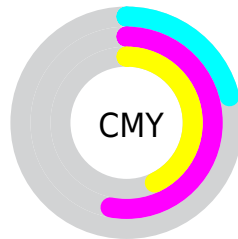


Cyan (0%)

Magenta (41%)

Yellow (28%)

Black (21%)



Cyan (21%)


Magenta (53%)


Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.1423, 27.8255, 30.6601 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 36.1423, 27.8255, 30.6601 by changing the saturation by 10% instead.

 36.1423, 27.8255,
30.6601


 36.1423, 27.8255,
30.6601


321.0025,
291.6321, 319.2719


 24.7147, 18.1942,
20.0839

 68.5741, 56.2057,
61.7778

 15.9922, 11.0895,
12.2713

 90.3090, 75.7234,
83.1564

 9.6095, 6.1270,
6.8040


 116.2104, 99.3053,
108.9728

 5.2011, 2.9225,
3.2632

146.6437,
127.3358, 139.6457

 2.4017, 1.0914,
1.2306

181.9742,
160.1994, 175.5935

 0.8459, 0.0000,
0.0038

222.5673,

 0.0000, 0.0000,

198.2804, 217.2347

0.0000

268.7882,
241.9632, 264.9880

■ 36.1423, 27.8255,
30.6601

■ 36.1423, 27.8255,
30.6601

■ 32.9910, 23.1195,
24.6869

■ 39.9325, 33.6065,
37.4705

■ 30.4391, 19.4175,
19.5151

■ 44.3932, 40.5197,
45.1486

■ 28.4464, 16.6460,
15.1085


■ 49.5568, 48.6231,
53.7251


■ 26.9662, 14.7197,
11.4269


■ 55.4526, 57.9695,
63.2289


■ 25.9435, 13.5374,
8.4257

■ 62.1085, 68.6085,
73.6874

 25.3319, 12.9465,
6.2724

 69.5507, 80.5870,
85.1269

 76.0555, 90.4519,
96.9896

 78.1673, 91.2966,
108.1099

Harmonies

Analogous

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



34.6494, 27.8255, 44.9561



36.1423, 27.8255, 30.6601



34.8008, 27.8255, 19.6974

Triad

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



36.1423, 27.8255, 30.6601



22.4270, 27.8255, 13.3245



22.2317, 27.8255, 57.1460

Complementary

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



36.1423, 27.8255, 30.6601



36.4674, 49.2590, 48.1458

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.



19.5505, 27.8255, 44.1466



36.1423, 27.8255, 30.6601



19.6539, 27.8255, 19.2313

Square

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



36.1423, 27.8255, 30.6601



26.5737, 27.8255, 11.5797



18.6624, 27.8255, 29.9373



26.3213, 27.8255, 62.6910

Rectangle

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



36.1423, 27.8255, 30.6601



32.5576, 27.8255, 15.0765



18.6624, 27.8255, 29.9373



21.1538, 27.8255, 53.3494

Sweetspot

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



36.1431, 27.8268, 30.6606



82.9054, 80.7474, 89.3244



34.7886, 26.4964, 59.1582



17.4861, 16.8753, 18.6932



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.



36.1431, 27.8268, 30.6606



56.5507, 40.1671, 43.1469



36.0527, 30.6193, 21.4643



11.3602, 11.2728, 12.4317



16.3373, 8.3455, 4.2291



0.8777, 0.4445, 0.4017

Inverse Universe

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



36.1431, 27.8268, 30.6606



56.5507, 40.1671, 43.1469



36.2883, 44.2248, 62.5011



11.3602, 11.2728, 12.4317



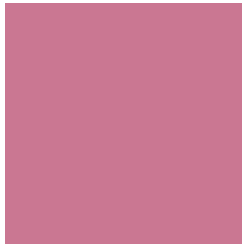
16.3373, 8.3455, 4.2291



0.8777, 0.4445, 0.4017

Previews

White Background



This preview shows how the XYZ color 36.1423, 27.8255, 30.6601 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 36.1423, 27.8255, 30.6601 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

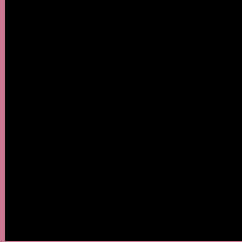
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 36.1423, 27.8255, 30.6601

Background



This preview shows how black text looks on a background with the XYZ color 36.1423, 27.8255, 30.6601.



This preview shows how white text looks on a background with the XYZ color 36.1423, 27.8255,

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

36.1423, 27.8255, 30.6601

Protanopia

27.4108, 27.9689, 37.6720

Deuteranopia

28.5586, 28.0801, 29.5060



Tritanopia

35.1437, 27.9753, 25.0202

Trichromacy



Original Color

36.1423, 27.8255, 30.6601

Protanomaly

29.8357, 27.3430, 35.1577

Deuteranomaly

30.8884, 27.5997, 29.6859

Tritanomaly

35.3687, 27.8698, 26.8078

Monochromacy



Original Color

36.1423, 27.8255, 30.6601

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

30.1485, 28.2134, 31.4605

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.1423, 27.8255, 30.6601 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(202, 119, 146)` looks like.

```
.text, #text, p{  
    color:rgb(202, 119, 146)  
}
```

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(202, 119, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 119, 146) }
```

Border

The CSS property to change the border of an element to XYZ 36.1423, 27.8255, 30.6601 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(202, 119, 146) }
```


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

```
.border{ border-color:rgb(202, 119, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 119, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 119, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 119, 146);  
box-shadow:4px 4px 4px 4px rgb(202, 119,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 36.1423, 27.8255, 30.6601 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 119, 146) }
```

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

```
.background{ background-color: rgb(202,  
119, 146) }
```

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