

# Converting Colors

XYZ(36.9998, 29.8513, 26.0021)

Have a look what the booklet for  
XYZ(36.9998, 29.8513, 26.0021)  
contains.

<b>XYZ(36.9998, 29.8513, 26.0021)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(36.9998, 29.8513,  
26.0021)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CD7F85
RGB	205, 127, 133
RGB Percent	80%, 50%, 52%
CMY	0.1961, 0.5019, 0.4784
CMYK	0.00, 0.38, 0.35, 0.20
HSL	355°, 44%, 65%
HSV	355°, 38%, 80%
XYZ	36.9998, 29.8513, 26.0021
YIQ	151.0060, 44.5620, 18.4020

# Conversions

## Conversions Part 2

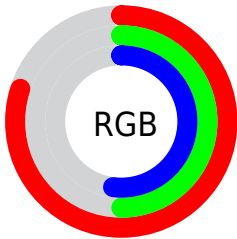
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	205, 127, 133
Decimal	13467525
CIE <sub>Lab</sub>	61.53, 30.92, 9.58
CIE <sub>LCh</sub>	62, 32.370, 17.218
Yxy	29.8513, 0.3985, 0.3215
Android (android.graphics.Color)	4291657605 (0xFFCD7F85)
YUV	151.0060, -8.8770, 47.3527
Hunter-Lab	54.6363, 25.2668, 10.0286

# Details

The XYZ color **36.9998, 29.8513, 26.0021** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **40.8938, 52.2988, 61.9748**, and the grayscale version is **29.4421, 30.9754, 33.7322**.

A 20% lighter version of the original color is **66.6268, 57.8529, 54.1095**, and **16.3974, 12.1049, 9.8597** is the 20% darker color. If you saturate the color by 10%, you get **33.4247, 24.6083, 18.9307**, and if you desaturate by 10%, it is **41.3507, 36.2687, 34.4948**.

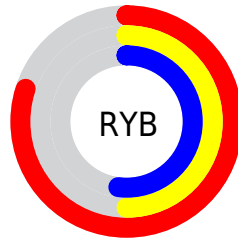
# Distribution



Red (80%)

Green (50%)

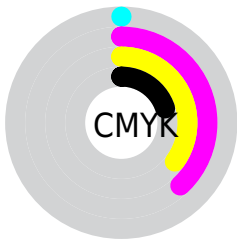
Blue (52%)



Red (80%)

Yellow (50%)

Blue (52%)

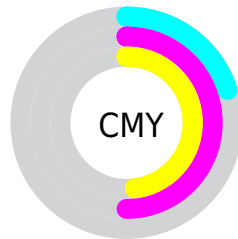


Cyan (0%)

Magenta (38%)

Yellow (35%)

Black (20%)



Cyan (20%)

Magenta (50%)


Yellow (48%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 36.9998, 29.8513, 26.0021 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 36.9998, 29.8513, 26.0021 by changing the saturation by 10% instead.





 36.9998, 29.8513,  
26.0021


 36.9998, 29.8513,  
26.0021


324.6652,  
301.2107, 296.3982


 25.3810, 19.7257,  
16.5994


 69.8863, 59.4269,  
54.2625

 16.4914, 12.1958,  
9.7904


 91.8847, 79.6458,  
73.9572

 9.9656, 6.8772,  
5.1564


 118.0738,  
103.9979, 97.9198

 5.4382, 3.3854,  
2.2790

148.8187,  
132.8677, 126.5687

 2.5440, 1.3361,  
0.7194

184.4850,  
166.6394, 160.3224

 0.9175, 0.1689,  
0.0000

225.4379,

 0.0000, 0.0000,

205.6976, 199.5995

0.0000

272.0429,  
250.4265, 244.8186

■ 36.9998, 29.8513,  
26.0021

■ 36.9998, 29.8513,  
26.0021

■ 33.4247, 24.6083,  
18.9307

■ 41.3507, 36.2687,  
34.4948

■ 30.5775, 20.4646,  
13.2014

■ 46.5168, 43.9209,  
44.4787

■ 28.4087, 17.3430,  
8.7295

■ 52.5377, 52.8697,  
56.0213

■ 26.8615, 15.1548,  
5.4202

■ 59.4498, 63.1712,  
69.1854

■ 25.8700, 13.7958,  
3.1654

■ 67.2873, 74.8783,  
84.0302

■ 25.3418, 13.1147,  
1.8324

■ 76.0826, 88.0411,  
100.6123

■ 25.2685, 13.0158,  
1.6613

■ 78.9868, 91.7191,  
108.1483

# Harmonies

## Analogous

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



37.1973, 29.8513, 38.0123



36.9998, 29.8513, 26.0021



34.3496, 29.8513, 18.0696

# Triad

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



36.9998, 29.8513, 26.0021



22.7412, 29.8513, 18.9576



26.5874, 29.8513, 61.3988

# Complementary

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



36.9998, 29.8513, 26.0021



40.8938, 52.2988, 61.9748

# 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.



23.1328, 29.8513, 53.0974



36.9998, 29.8513, 26.0021



21.0675, 29.8513, 27.5535

# Square

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



36.9998, 29.8513, 26.0021



26.0014, 29.8513, 14.7625



21.2032, 29.8513, 40.0060



30.8841, 29.8513, 60.6787



# Rectangle

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



36.9998, 29.8513, 26.0021



31.6868, 29.8513, 15.2306



21.2032, 29.8513, 40.0060



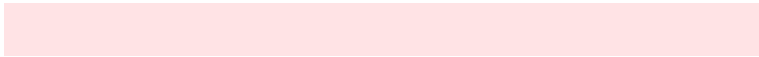
25.2982, 29.8513, 59.4978

# Sweetspot

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



37.0006, 29.8528, 26.0027



82.8531, 81.8339, 85.6352



42.0303, 31.6618, 61.6536



17.4390, 17.0773, 17.7645



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.



37.0006, 29.8528, 26.0027



55.5298, 41.4487, 32.5611



41.4928, 39.4812, 25.5143



11.2467, 11.2274, 11.8339



15.7445, 8.1084, 1.1073



0.8247, 0.4233, 0.1227



# Inverse Universe

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



37.0006, 29.8528, 26.0027



55.5298, 41.4487, 32.5611



34.6209, 38.6168, 63.3866



11.2467, 11.2274, 11.8339



15.7445, 8.1084, 1.1073

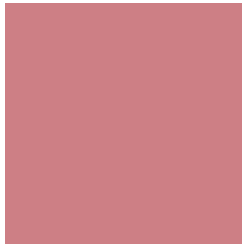


0.8247, 0.4233, 0.1227



# Previews

## White Background



This preview shows how the XYZ color 36.9998, 29.8513, 26.0021 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

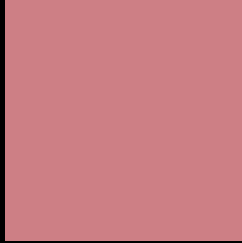
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 36.9998, 29.8513, 26.0021 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

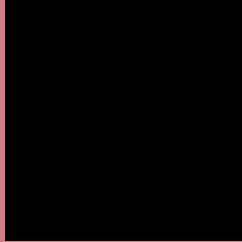
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 36.9998, 29.8513, 26.0021**

## **Background**



This preview shows how black text looks on a background with the XYZ color 36.9998, 29.8513, 26.0021.



This preview shows how white text looks on a background with the XYZ color 36.9998, 29.8513,



# 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

36.9998, 29.8513, 26.0021

### Protanopia

28.7608, 29.9657, 30.6537

### Deuteranopia

30.4293, 29.8027, 25.2678



## Tritanopia

37.2101, 29.9355, 27.1095

# Trichromacy



## Original Color

36.9998, 29.8513, 26.0021

## Protanomaly

31.1250, 29.4203, 28.8492

## Deuteranomaly

32.5708, 29.5973, 25.4689

## Tritanomaly

37.1394, 29.9071, 26.7369

# Monochromacy



## Original Color

36.9998, 29.8513, 26.0021

## Achromatopsia

29.4150, 30.9469, 33.7012

## Achromatomaly

31.5016, 30.0175, 30.5192

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 36.9998, 29.8513, 26.0021 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(205, 127, 133)` looks like.

```
.text, #text, p{  
    color:rgb(205, 127, 133)  
}
```

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(205, 127, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 127, 133) }
```

## Border

The CSS property to change the border of an element to XYZ 36.9998, 29.8513, 26.0021 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(205, 127, 133) }
```



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

```
.border{ border-color:rgb(205, 127, 133) }
```

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

Here you see how a box with a 4 pixel rgb(205, 127, 133) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 127, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 127, 133);  
box-shadow:4px 4px 4px 4px rgb(205, 127,  
133) }
```

# Background

The CSS property to change the background color of an element to XYZ 36.9998, 29.8513, 26.0021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 127, 133) }
```

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

```
.background{ background-color: rgb(205,  
127, 133) }
```

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