

# Converting Colors

XYZ(37.5280, 19.7598, 36.4864)

Have a look what the booklet for  
XYZ(37.5280, 19.7598, 36.4864)  
contains.

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# Color

**XYZ(37.5280, 19.7598,  
36.4864)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DE29A3
RGB	222, 41, 163
RGB Percent	87%, 16%, 64%
CMY	0.1294, 0.8392, 0.3608
CMYK	0.00, 0.82, 0.27, 0.13
HSL	320°, 73%, 52%
HSV	320°, 82%, 87%
XYZ	37.5280, 19.7598, 36.4864
YIQ	109.0270, 68.7140, 76.3140

# Conversions

## Conversions Part 2

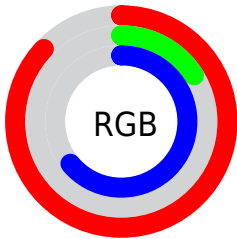
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	222, 41, 163
Decimal	14559651
CIE <sub>Lab</sub>	51.56, 75.58, -22.43
CIE <sub>LCh</sub>	52, 78.841, 343.474
Yxy	19.7598, 0.4002, 0.2107
Android (android.graphics.Color)	4292749731 (0xFFDE29A3)
YUV	109.0270, 26.6087, 99.0773
Hunter-Lab	44.4520, 72.9052, -17.5491

# Details

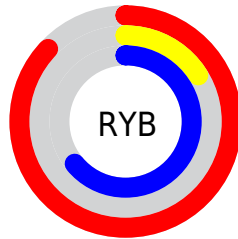
The XYZ color **37.5280, 19.7598, 36.4864** is a dark color, and the websafe version is hex **CC0099**. The color can be described as middle washed rose. A complement of this color would be **29.3373, 53.6348, 20.8665**, and the grayscale version is **14.4587, 15.2117, 16.5656**.

A 20% lighter version of the original color is **59.2575, 37.0471, 70.3573**, and **17.7695, 8.8291, 15.8065** is the 20% darker color. If you saturate the color by 10%, you get **36.3348, 18.3814, 32.9804**, and if you desaturate by 10%, it is **39.1919, 22.0197, 40.3326**.

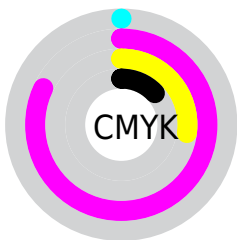
# Distribution



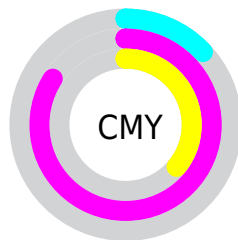
- Red (87%)
- Green (16%)
- Blue (64%)



- Red (87%)
- Yellow (16%)
- Blue (64%)



- Cyan (0%)
- Magenta (82%)
- Yellow (27%)
- Black (13%)




- Cyan (13%)
- Magenta (84%)
- Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.5280, 19.7598, 36.4864 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 37.5280, 19.7598, 36.4864 by changing the saturation by 10% instead.




 37.5280, 19.7598,  
36.4864


 37.5280, 19.7598,  
36.4864

326.9068,  
250.6118, 346.1830


 25.7921, 12.2206,  
24.5174


 70.6927, 43.0141,  
70.9596


 16.8000, 6.8941,  
15.5021


 92.8522, 59.4980,  
94.3010


 10.1864, 3.3959,  
9.0220


 119.2169, 79.7321,  
122.2702

 5.5860, 1.3418,  
4.6585

 150.1523,  
104.1010, 155.2858

 2.6332, 0.1732,  
1.9931

 186.0236,  
132.9891, 193.7663

 0.9629, 0.0000,  
0.5511

227.1962,

 0.0000, 0.0000,

166.7806, 238.1303

0.0000

274.0355,  
205.8601, 288.7964

■ 37.5280, 19.7598,  
36.4864

■ 37.5280, 19.7598,  
36.4864

■ 36.3348, 18.3814,  
32.9804

■ 39.1919, 22.0197,  
40.3326

■ 35.5996, 17.7198,  
30.2422

■ 41.3887, 25.2853,  
44.5424

■ 44.1728, 29.6642,  
49.1370

■ 47.5910, 35.2490,  
54.1346

■ 51.6852, 42.1229,  
59.5522

■ 56.4938, 50.3614,  
65.4052

■ 62.0520, 60.0343,  
71.7079

■ 68.3927, 71.2066,  
78.4739

■ 75.5468, 83.9392,  
85.7162

# Harmonies

## Analogous

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



31.3520, 19.7598, 71.3347



37.5280, 19.7598, 36.4864



37.8625, 19.7598, 12.8570

# Triad

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



37.5280, 19.7598, 36.4864



15.4464, 19.7598, 0.8553



9.7442, 19.7598, 67.7398

# Complementary

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



37.5280, 19.7598, 36.4864



29.3373, 53.6348, 20.8665

# 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.



7.5101, 19.7598, 33.3837



37.5280, 19.7598, 36.4864



10.1198, 19.7598, 2.8348

# Square

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



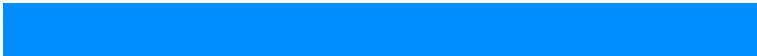
37.5280, 19.7598, 36.4864



23.4625, 19.7598, 0.9312



7.6248, 19.7598, 11.3279



14.7679, 19.7598, 96.4458



# Rectangle

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



37.5280, 19.7598, 36.4864



34.5938, 19.7598, 5.2957



7.6248, 19.7598, 11.3279



8.7147, 19.7598, 55.7237

# Sweetspot

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



37.5286, 19.7609, 36.4867



75.4898, 65.7556, 87.3480



19.0506, 9.4757, 69.9324



15.6479, 13.1998, 18.0778



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.



37.5286, 19.7609, 36.4867



48.8900, 24.4086, 41.9415



32.1603, 17.6135, 8.2177



14.0950, 13.8557, 16.2707



21.1985, 10.5464, 18.2429



1.5100, 0.7473, 1.4783



# Inverse Universe

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



37.5286, 19.7609, 36.4867



48.8900, 24.4086, 41.9415



36.2021, 56.3807, 57.0160



14.0950, 13.8557, 16.2707



21.1985, 10.5464, 18.2429



1.5100, 0.7473, 1.4783



# Previews

## White Background



This preview shows how the XYZ color 37.5280, 19.7598, 36.4864 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

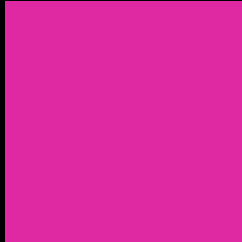
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 37.5280, 19.7598, 36.4864 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

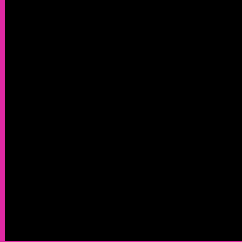
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 37.5280, 19.7598, 36.4864**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.5280, 19.7598, 36.4864.



This preview shows how white text looks on a background with the XYZ color 37.5280, 19.7598,



# 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

37.5280, 19.7598, 36.4864

### Protanopia

22.8029, 20.2027, 71.8049

### Deuteranopia

20.3329, 19.9677, 32.9195



## Tritanopia

31.7464, 19.7480, 9.1597

# Trichromacy



## Original Color

37.5280, 19.7598, 36.4864



## Protanomaly

23.1858, 16.2884, 57.1803



## Deuteranomaly

23.8176, 17.2567, 33.9738



## Tritanomaly

33.2890, 19.3256, 16.1631

# Monochromacy



## Original Color

37.5280, 19.7598, 36.4864



## Achromatopsia

14.5356, 15.2926, 16.6537



## Achromatomaly

19.7104, 14.4097, 22.5114

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.5280, 19.7598, 36.4864 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(222, 41, 163)` looks like.

```
.text, #text, p{  
    color:rgb(222, 41, 163)  
}
```

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(222, 41, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 41, 163) }
```

## Border

The CSS property to change the border of an element to XYZ 37.5280, 19.7598, 36.4864 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(222, 41, 163) }
```



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

```
.border{ border-color:rgb(222, 41, 163) }
```

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

Here you see how a box with a 4 pixel rgb(222, 41, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 41, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 41, 163);  
box-shadow:4px 4px 4px 4px rgb(222, 41,  
163) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.5280, 19.7598, 36.4864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 41, 163) }
```

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

```
.background{ background-color: rgb(222, 41,  
163) }
```

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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