

# Converting Colors

XYZ(36.6071, 19.0330, 37.7978)

Have a look what the booklet for  
XYZ(36.6071, 19.0330, 37.7978)  
contains.

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# Color

**XYZ(36.7272, 19.0750,  
37.8225)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DB24A6
RGB	219, 36, 166
RGB Percent	86%, 14%, 65%
CMY	0.1412, 0.8588, 0.3490
CMYK	0.00, 0.84, 0.24, 0.14
HSL	317°, 72%, 50%
HSV	317°, 84%, 86%
XYZ	36.7272, 19.0750, 37.8225
YIQ	105.5370, 67.3380, 79.2260

# Conversions

## Conversions Part 2

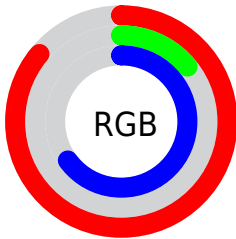
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	219, 36, 166
Decimal	14361766
CIE <sub>Lab</sub>	50.77, 76.36, -25.46
CIE <sub>LCh</sub>	51, 80.494, 341.559
Yxy	19.0750, 0.3923, 0.2037
Android (android.graphics.Color)	4292551846 (0xFFDB24A6)
YUV	105.5370, 29.8083, 99.5071
Hunter-Lab	43.6749, 73.6734, -20.7727

# Details

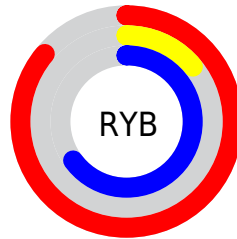
The XYZ color **36.7272, 19.0750, 37.8225** is a dark color, and the websafe version is hex **CC0099**. The color can be described as middle washed rose. A complement of this color would be **27.8635, 51.7601, 17.9768**, and the grayscale version is **13.4839, 14.1861, 15.4486**.

A 20% lighter version of the original color is **59.3427, 36.5836, 72.3402**, and **17.3353, 8.5858, 16.6631** is the 20% darker color. If you saturate the color by 10%, you get **35.6873, 17.9034, 34.6755**, and if you desaturate by 10%, it is **38.2018, 21.0695, 41.2563**.

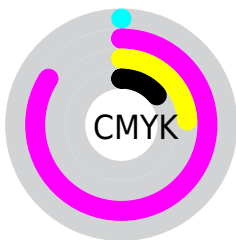
# Distribution



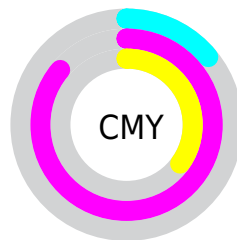
- Red (86%)
- Green (14%)
- Blue (65%)



- Red (86%)
- Yellow (14%)
- Blue (65%)



- Cyan (0%)
- Magenta (84%)
- Yellow (24%)
- Black (14%)




- Cyan (14%)
- Magenta (86%)
- Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 36.7272, 19.0750, 37.8225 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 36.7272, 19.0750, 37.8225 by changing the saturation by 10% instead.




 36.7272, 19.0750,  
37.8225


 36.7272, 19.0750,  
37.8225


323.5040,  
246.8625, 352.1333

 25.1690, 11.7245,  
25.5442


 69.4696, 41.8608,  
73.0364


 16.3324, 6.5564,  
16.2603


 91.3845, 58.0649,  
96.8091


 9.8520, 3.1862,  
9.5522


 117.4824, 77.9889,  
125.2503

 5.3625, 1.2297,  
5.0014

 148.1287,  
102.0173, 158.7786

 2.4984, 0.0858,  
2.1893

 183.6886,  
130.5345, 197.8125

 0.8945, 0.0000,  
0.6682

224.5275,

 0.0000, 0.0000,

163.9248, 242.7705

0.0000

271.0109,  
202.5727, 294.0713

■ 36.7272, 19.0750,  
37.8225

■ 36.7272, 19.0750,  
37.8225

■ 35.6873, 17.9034,  
34.6755

■ 38.2018, 21.0695,  
41.2563

■ 35.1778, 17.4458,  
32.7746

■ 40.1737, 24.0125,  
44.9994

■ 42.6971, 28.0111,  
49.0718

■ 45.8182, 33.1574,  
53.4908

■ 49.5782, 39.5331,  
58.2722

■ 54.0147, 47.2127,  
63.4301

■ 59.1622, 56.2646,  
68.9780

■ 65.0528, 66.7526,  
74.9282

■ 71.7165, 78.7362,  
81.2926

# Harmonies

## Analogous

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



30.2090, 19.0750, 73.3951



36.7272, 19.0750, 37.8225



37.4891, 19.0750, 13.2062

# Triad

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



36.7272, 19.0750, 37.8225



15.2499, 19.0750, 0.6069



8.9638, 19.0750, 65.1456

# Complementary

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



36.7272, 19.0750, 37.8225



27.8635, 51.7601, 17.9768

# 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.



6.9378, 19.0750, 30.7784



36.7272, 19.0750, 37.8225



9.7957, 19.0750, 2.2518

# Square

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



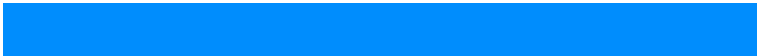
36.7272, 19.0750, 37.8225



23.3802, 19.0750, 0.7818



7.1899, 19.0750, 9.8120



13.7316, 19.0750, 95.5665



# Rectangle

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



36.7272, 19.0750, 37.8225



34.4258, 19.0750, 5.2948



7.1899, 19.0750, 9.8120



8.0121, 19.0750, 52.9302

# Sweetspot

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



36.7278, 19.0760, 37.8228



75.1436, 64.7180, 88.2966



17.4290, 8.4451, 67.7295



15.5972, 13.0077, 18.3404



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.



36.7278, 19.0760, 37.8228



49.5950, 24.6020, 45.9269



31.1377, 16.8399, 8.3854



13.4452, 13.2072, 15.6059



20.9084, 10.3644, 19.6953



1.3912, 0.6861, 1.4692



# Inverse Universe

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



36.7278, 19.0760, 37.8228



49.5950, 24.6020, 45.9269



34.2322, 54.3075, 51.5138



13.4452, 13.2072, 15.6059



20.9084, 10.3644, 19.6953



1.3912, 0.6861, 1.4692



# Previews

## White Background



This preview shows how the XYZ color 36.7272, 19.0750, 37.8225 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



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

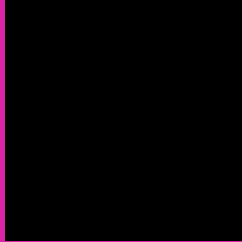
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 36.7272, 19.0750, 37.8225**

## **Background**



This preview shows how black text looks on a background with the XYZ color 36.7272, 19.0750, 37.8225.



This preview shows how white text looks on a background with the XYZ color 36.7272, 19.0750,



# 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

36.7272, 19.0750, 37.8225

### Protanopia

22.5964, 19.6483, 76.0003

### Deuteranopia

19.6678, 19.2388, 34.1293



## Tritanopia

30.7732, 19.1536, 8.9126

# Trichromacy



## Original Color

36.7272, 19.0750, 37.8225



## Protanomaly

22.2549, 15.3803, 59.5533



## Deuteranomaly

23.0544, 16.4551, 35.2188



## Tritanomaly

32.3486, 18.6791, 16.3685

# Monochromacy



## Original Color

36.7272, 19.0750, 37.8225



## Achromatopsia

13.6994, 14.4128, 15.6956



## Achromatomaly

18.8713, 13.6464, 22.0615

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 36.7272, 19.0750, 37.8225 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(219, 36, 166)` looks like.

```
.text, #text, p{  
    color:rgb(219, 36, 166)  
}
```

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(219, 36, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 36, 166) }
```

## Border

The CSS property to change the border of an element to XYZ 36.7272, 19.0750, 37.8225 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(219, 36, 166) }
```



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

```
.border{ border-color:rgb(219, 36, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 36, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 36, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 36, 166);  
box-shadow:4px 4px 4px 4px rgb(219, 36,  
166) }
```

# Background

The CSS property to change the background color of an element to XYZ 36.7272, 19.0750, 37.8225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 36, 166) }
```

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

```
.background{ background-color: rgb(219, 36,  
166) }
```

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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