

Converting Colors

XYZ(36.3404, 19.6494, 30.8419)

Have a look what the booklet for
XYZ(36.3404, 19.6494, 30.8419)
contains.

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Color

**XYZ(36.3808, 19.6881,
30.7369)**

Conversions

Conversions Part 1

Format	Color
Hex	DD3096
RGB	221, 48, 150
RGB Percent	87%, 19%, 59%
CMY	0.1333, 0.8117, 0.4118
CMYK	0.00, 0.78, 0.32, 0.13
HSL	325°, 72%, 53%
HSV	325°, 78%, 87%
XYZ	36.3808, 19.6881, 30.7369
YIQ	111.3550, 70.3660, 68.3980

Conversions

Conversions Part 2

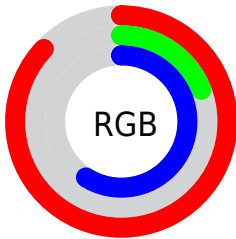
Format	Color
R_{YB}	221, 48, 150
Decimal	14495894
CIE _{Lab}	51.48, 72.16, -14.85
CIE _{LCh}	51, 73.673, 348.372
Yxy	19.6881, 0.4191, 0.2268
Android (android.graphics.Color)	4292685974 (0xFFDD3096)
YUV	111.3550, 19.0520, 96.1587
Hunter-Lab	44.3713, 68.7056, -10.0115

Details

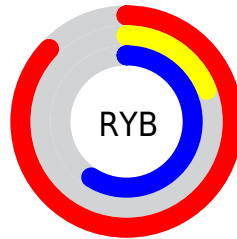
The XYZ color **36.3808, 19.6881, 30.7369** is a dark color, and the websafe version is hex **CC3399**. The color can be described as middle muted rose. A complement of this color would be **30.4066, 53.6739, 26.2143**, and the grayscale version is **15.1463, 15.9351, 17.3533**.

A 20% lighter version of the original color is **57.9333, 37.2080, 61.2552**, and **16.9501, 8.4779, 12.5474** is the 20% darker color. If you saturate the color by 10%, you get **34.9888, 18.0281, 26.8076**, and if you desaturate by 10%, it is **38.2803, 22.2723, 35.1146**.

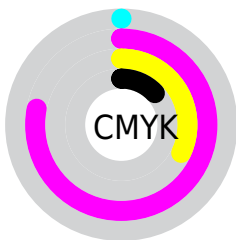
Distribution



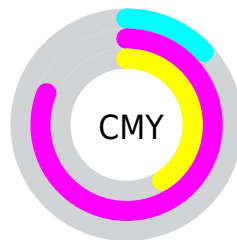
- Red (87%)
- Green (19%)
- Blue (59%)



- Red (87%)
- Yellow (19%)
- Blue (59%)



- Cyan (0%)
- Magenta (78%)
- Yellow (32%)
- Black (13%)





- Cyan (13%)
- Magenta (81%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.3808, 19.6881, 30.7369 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 36.3808, 19.6881, 30.7369 by changing the saturation by 10% instead.


 36.3808, 19.6881,
30.7369


 36.3808, 19.6881,
30.7369


322.0242,
250.2216, 319.6380


 24.8999, 12.1685,
20.1418


 68.9395, 42.8936,
61.9003


 16.1308, 6.8586,
12.3131


 90.7479, 59.3484,
83.3057


 9.7082, 3.3738,
6.8321


 116.7296, 79.5503,
109.1517

 5.2667, 1.3299,
3.2805

 147.2499,
103.8838, 139.8566

 2.4409, 0.1641,
1.2396

 182.6742,
132.7333, 175.8392

 0.8656, 0.0000,
0.0115

223.3677,

 0.0000, 0.0000,

166.4832, 217.5179

0.0000

269.6960,
205.5178, 265.3113

■ 36.3808, 19.6881,
30.7369

■ 36.3808, 19.6881,
30.7369

■ 34.9888, 18.0281,
26.8076

■ 38.2803, 22.2723,
35.1146

■ 34.0155, 17.1170,
23.2905


■ 40.7456, 25.8959,
39.9659


■ 33.8679, 16.9918,
22.7175


■ 43.8285, 30.6603,
45.3140


■ 47.5743, 36.6543,
51.1797

■ 52.0237, 43.9574,
57.5822

 57.2142, 52.6428,
64.5393

 63.1802, 62.7779,
72.0678

 69.9543, 74.4259,
80.1837

 77.5668, 87.6461,
88.9021

Harmonies

Analogous

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



31.4803, 19.6881, 61.4622



36.3808, 19.6881, 30.7369



35.7106, 19.6881, 10.9932

Triad

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



36.3808, 19.6881, 30.7369



14.5796, 19.6881, 1.3624



10.7675, 19.6881, 68.5549

Complementary

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



36.3808, 19.6881, 30.7369



30.4066, 53.6739, 26.2143

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.



8.2025, 19.6881, 37.0038



36.3808, 19.6881, 30.7369



9.9699, 19.6881, 4.1690

Square

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



36.3808, 19.6881, 30.7369



21.7277, 19.6881, 1.1744



7.9552, 19.6881, 14.2322



15.9908, 19.6881, 91.1749

Rectangle

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



36.3808, 19.6881, 30.7369



32.2206, 19.6881, 4.7927



7.9552, 19.6881, 14.2322



9.6324, 19.6881, 57.9538

Sweetspot

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



36.3814, 19.6892, 30.7372



75.4726, 66.6634, 84.4376



21.4727, 11.1318, 69.4237



15.6090, 13.3590, 17.3337



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.



36.3814, 19.6892, 30.7372



47.4684, 24.0315, 33.8648



31.8395, 17.8724, 6.8201



13.3765, 13.1797, 15.2439



19.7319, 9.8938, 13.5002



1.3208, 0.6579, 1.0980

Inverse Universe

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



36.3814, 19.6892, 30.7372



47.4684, 24.0315, 33.8648



37.9393, 56.6870, 65.8813



13.3765, 13.1797, 15.2439



19.7319, 9.8938, 13.5002



1.3208, 0.6579, 1.0980

Previews

White Background



This preview shows how the XYZ color 36.3808, 19.6881, 30.7369 looks on a white background.

Color Contrast Check

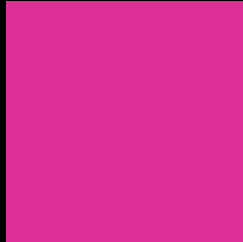
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.3808, 19.6881, 30.7369 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

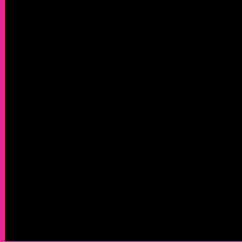
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 36.3808, 19.6881, 30.7369

Background



This preview shows how black text looks on a background with the XYZ color 36.3808, 19.6881, 30.7369.



This preview shows how white text looks on a background with the XYZ color 36.3808, 19.6881,

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

36.3808, 19.6881, 30.7369

Protanopia

21.6944, 20.1159, 57.9977

Deuteranopia

20.2766, 19.8681, 27.9655



Tritanopia

31.9408, 19.7555, 8.9672

Trichromacy



Original Color

36.3808, 19.6881, 30.7369



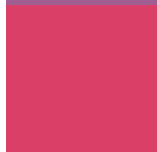
Protanomaly

22.9274, 16.7861, 46.2876



Deuteranomaly

23.7347, 17.5961, 28.5310



Tritanomaly

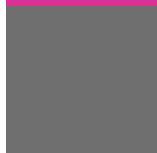
33.1391, 19.4397, 14.8376

Monochromacy



Original Color

36.3808, 19.6881, 30.7369



Achromatopsia

15.1092, 15.8961, 17.3108



Achromatomaly

19.9539, 15.0394, 21.2533

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.3808, 19.6881, 30.7369 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(221, 48, 150)` looks like.

```
.text, #text, p{  
    color:rgb(221, 48, 150)  
}
```

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(221, 48, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 48, 150) }
```

Border

The CSS property to change the border of an element to XYZ 36.3808, 19.6881, 30.7369 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(221, 48, 150) }
```


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

```
.border{ border-color:rgb(221, 48, 150) }
```

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

Here you see how a box with a 4 pixel rgb(221, 48, 150) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 48, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 48, 150);  
box-shadow:4px 4px 4px 4px rgb(221, 48,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 36.3808, 19.6881, 30.7369 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 48, 150) }
```

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

```
.background{ background-color: rgb(221, 48,  
150) }
```

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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