

Converting Colors

XYZ(37.8591, 19.9639, 41.9983)

Have a look what the booklet for
XYZ(37.8591, 19.9639, 41.9983)
contains.

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Color

**XYZ(37.7541, 19.9174,
41.8990)**

Conversions

Conversions Part 1

Format	Color
Hex	DB2CAE
RGB	219, 44, 174
RGB Percent	86%, 17%, 68%
CMY	0.1412, 0.8274, 0.3176
CMYK	0.00, 0.80, 0.21, 0.14
HSL	315°, 71%, 52%
HSV	315°, 80%, 86%
XYZ	37.7541, 19.9174, 41.8990
YIQ	111.1450, 62.5700, 77.5300

Conversions

Conversions Part 2

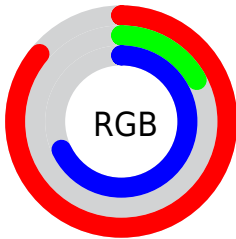
Format	Color
R _Y B	219, 44, 174
Decimal	14363822
CIE Lab	51.74, 75.55, -28.67
CIE LCh	52, 80.805, 339.217
Yxy	19.9174, 0.3792, 0.2000
Android (android.graphics.Color)	4292553902 (0xFFDB2CAE)
YUV	111.1450, 30.9875, 94.5888
Hunter-Lab	44.6289, 72.9026, -24.4230

Details

The XYZ color **37.7541, 19.9174, 41.8990** 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 **28.1746, 51.9206, 17.9906**, and the grayscale version is **15.0534, 15.8373, 17.2468**.

A 20% lighter version of the original color is **61.0989, 38.1250, 79.0015**, and **17.7493, 8.7514, 18.8429** is the 20% darker color. If you saturate the color by 10%, you get **36.6050, 18.4792, 38.8636**, and if you desaturate by 10%, it is **39.3575, 22.2266, 45.1997**.

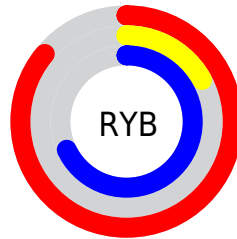
Distribution



Red (86%)

Green (17%)

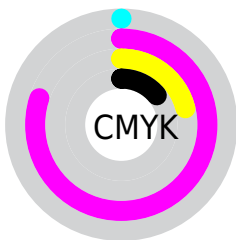
Blue (68%)



Red (86%)

Yellow (17%)

Blue (68%)

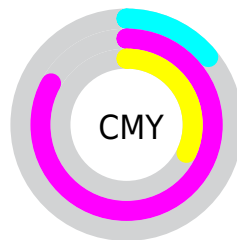


Cyan (0%)

Magenta (80%)

Yellow (21%)

Black (14%)



Cyan (14%)


Magenta (83%)


Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.7541, 19.9174, 41.8990 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 37.7541, 19.9174, 41.8990 by changing the saturation by 10% instead.

 37.7541, 19.9174,
41.8990


 37.7541, 19.9174,
41.8990


327.8631,
251.4676, 369.8514


 25.9682, 12.3350,
28.6972


 71.0374, 43.2787,
79.3152


 16.9324, 6.9723,
18.6083


 93.2656, 59.8263,
104.3667


 10.2813, 3.4448,
11.2136


 119.7052, 80.1312,
134.2052

 5.6496, 1.3681,
6.0948

 150.7217,
104.5777, 169.2492

 2.6718, 0.1930,
2.8331

 186.6804,
133.5502, 209.9173

 0.9827, 0.0000,
1.0100

227.9466,

 0.0000, 0.0000,

167.4331, 256.6280

0.0000

274.8857,
206.6107, 309.7998

■ 37.7541, 19.9174,
41.8990

■ 37.7541, 19.9174,
41.8990

■ 36.6050, 18.4792,
38.8636

■ 39.3575, 22.2266,
45.1997

■ 35.8032, 17.6997,
36.0561

■ 41.4728, 25.5227,
48.7858

■ 35.7960, 17.6931,
36.0297

■ 44.1510, 29.9070,
52.6758

■ 47.4364, 35.4673,
56.8858

■ 51.3684, 42.2825,
61.4302

■ 55.9835, 50.4246,
66.3223

■ 61.3149, 59.9603,
71.5747

■ 67.3940, 70.9515,
77.1988

■ 74.2501, 83.4565,
83.2058

Harmonies

Analogous

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



30.7077, 19.9174, 78.5897



37.7541, 19.9174, 41.8990



39.0678, 19.9174, 15.2465

Triad

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



37.7541, 19.9174, 41.8990



16.5234, 19.9174, 0.6608



9.1786, 19.9174, 64.4082

Complementary

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



37.7541, 19.9174, 41.8990



28.1746, 51.9206, 17.9906

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.



7.2692, 19.9174, 29.7247



37.7541, 19.9174, 41.8990



10.6313, 19.9174, 2.1664

Square

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



37.7541, 19.9174, 41.8990



25.0730, 19.9174, 0.9554



7.7110, 19.9174, 9.3155



13.8839, 19.9174, 96.8559

Rectangle

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



37.7541, 19.9174, 41.8990



36.2274, 19.9174, 6.3003



7.7110, 19.9174, 9.3155



8.2603, 19.9174, 51.9117

Sweetspot

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



37.7548, 19.9184, 41.8994



76.1060, 66.0021, 90.5927



17.6891, 8.9797, 67.8192



15.7972, 13.2595, 18.8636



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.



37.7548, 19.9184, 41.8994



50.8704, 25.2893, 52.0967



31.8662, 17.5630, 10.8907



13.4639, 13.2147, 15.7042



21.2719, 10.5098, 21.6096



1.4123, 0.6946, 1.5803

Inverse Universe

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



37.7548, 19.9184, 41.8994



50.8704, 25.2893, 52.0967



34.1337, 54.3042, 49.3708



13.4639, 13.2147, 15.7042



21.2719, 10.5098, 21.6096



1.4123, 0.6946, 1.5803

Previews

White Background



This preview shows how the XYZ color 37.7541, 19.9174, 41.8990 looks on a white background.

Color Contrast Check

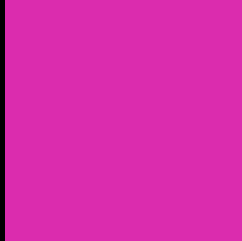
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.7541, 19.9174, 41.8990 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

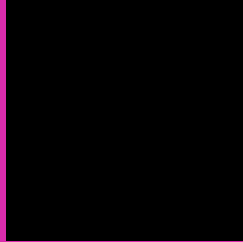
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.7541, 19.9174, 41.8990

Background



This preview shows how black text looks on a background with the XYZ color 37.7541, 19.9174, 41.8990.



This preview shows how white text looks on a background with the XYZ color 37.7541, 19.9174,

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

37.7541, 19.9174, 41.8990

Protanopia

23.6985, 20.4552, 81.2965

Deuteranopia

20.5998, 20.1768, 37.9307



Tritanopia

31.1113, 19.9069, 10.1853

Trichromacy



Original Color

37.7541, 19.9174, 41.8990



Protanomaly

23.4451, 16.3803, 64.8768



Deuteranomaly

24.0195, 17.5080, 39.1592



Tritanomaly

32.7743, 19.4304, 18.2427

Monochromacy



Original Color

37.7541, 19.9174, 41.8990



Achromatopsia

15.1092, 15.8961, 17.3108



Achromatomaly

20.2889, 15.0217, 24.3844

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7541, 19.9174, 41.8990 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, 44, 174)` looks like.

```
.text, #text, p{  
    color:rgb(219, 44, 174)  
}
```

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, 44, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 44, 174) }
```

Border

The CSS property to change the border of an element to XYZ 37.7541, 19.9174, 41.8990 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, 44, 174) }
```


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

```
.border{ border-color:rgb(219, 44, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 44, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 44, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 44, 174);  
box-shadow:4px 4px 4px 4px rgb(219, 44,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 37.7541, 19.9174, 41.8990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 44, 174) }
```

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

```
.background{ background-color: rgb(219, 44,  
174) }
```

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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