

Converting Colors

XYZ(37.1204, 18.2928, 39.8436)

Have a look what the booklet for
XYZ(37.1204, 18.2928, 39.8436)
contains.

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Color

**XYZ(37.0745, 18.2744,
39.6035)**

Conversions

Conversions Part 1

Format	Color
Hex	DD00AA
RGB	221, 0, 170
RGB Percent	87%, 0%, 67%
CMY	0.1333, 0.9998, 0.3333
CMYK	0.00, 1.00, 0.23, 0.13
HSL	314°, 100%, 43%
HSV	314°, 100%, 87%
XYZ	37.0745, 18.2744, 39.6035
YIQ	85.4590, 77.1460, 99.7220

Conversions

Conversions Part 2

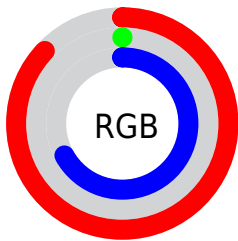
Format	Color
R_{YB}	221, 0, 170
Decimal	14483626
CIE _{Lab}	49.83, 81.59, -29.27
CIE _{LCh}	50, 86.681, 340.265
Yxy	18.2744, 0.3905, 0.1925
Android (android.graphics.Color)	4292673706 (0xFFDD00AA)
YUV	85.4590, 41.6787, 118.8695
Hunter-Lab	42.7486, 79.9975, -25.0040

Details

The XYZ color **37.0745, 18.2744, 39.6035** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **26.4555, 51.9528, 11.7700**, and the grayscale version is **8.6394, 9.0893, 9.8982**.

A 20% lighter version of the original color is **58.9702, 34.7564, 75.5521**, and **17.9088, 8.8614, 17.5961** is the 20% darker color. If you saturate the color by 10%, you get **37.0738, 18.2742, 39.5992**, and if you desaturate by 10%, it is **37.8563, 19.0505, 42.2915**.

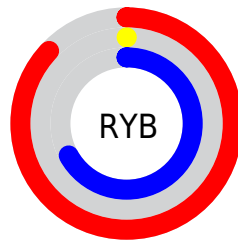
Distribution



Red (87%)

Green (0%)

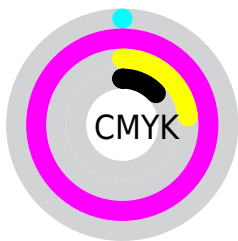
Blue (67%)



Red (87%)

Yellow (0%)

Blue (67%)

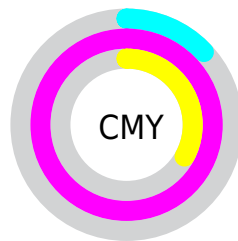


Cyan (0%)

Magenta (100%)

Yellow (23%)

Black (13%)



Cyan (13%)


Magenta (100%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.0745, 18.2744, 39.6035 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 37.0745, 18.2744, 39.6035 by changing the saturation by 10% instead.

 37.0745, 18.2744,
39.6035


 37.0745, 18.2744,
39.6035


324.9829,
242.4132, 359.9518


 25.4391, 11.1472,
26.9181


 70.0004, 40.5043,
75.7898

 16.5350, 6.1659,
17.2798


 92.0217, 56.3758,
100.1278


 9.9967, 2.9462,
10.2701


 118.2356, 75.9309,
129.1871

 5.4591, 1.1037,
5.4705

 149.0076, 99.5539,
163.3863

 2.5565, 0.0000,
2.4624

 184.7030,
127.6292, 203.1437

 0.9239, 0.0000,
0.8201

 225.6871,

 0.0000, 0.0000,

160.5413, 248.8781

0.0000

272.3252,
198.6745, 301.0080

■ 37.0745, 18.2744,
39.6035

■ 37.0745, 18.2744,
39.6035

■ 37.0738, 18.2742,
39.5992

■ 37.8563, 19.0505,
42.2915

■ 38.9874, 20.4950,
45.1892

■ 40.5760, 22.8240,
48.3338

■ 42.6833, 26.1594,
51.7467

■ 45.3608, 30.6038,
55.4460

■ 48.6535, 36.2472,
59.4477

■ 52.6019, 43.1702,
63.7662

■ 57.2432, 51.4466,
68.4148

■ 62.6113, 61.1444,
73.4059

Harmonies

Analogous

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



29.8230, 18.2744, 78.8979



37.0745, 18.2744, 39.6035



38.2136, 18.2744, 12.8291

Triad

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



37.0745, 18.2744, 39.6035



14.6842, 18.2744, 0.0431



7.8339, 18.2744, 66.3017

Complementary

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



37.0745, 18.2744, 39.6035



26.4555, 51.9528, 11.7700

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.



5.9422, 18.2744, 29.1777



37.0745, 18.2744, 39.6035



8.9784, 18.2744, 1.4451

Square

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



37.0745, 18.2744, 39.6035



23.3181, 18.2744, 0.3020



6.2812, 18.2744, 8.1321



12.5294, 18.2744, 101.0506

Rectangle

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



37.0745, 18.2744, 39.6035



35.0651, 18.2744, 4.6301



6.2812, 18.2744, 8.1321



6.9290, 18.2744, 52.8543

Sweetspot

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



37.0751, 18.2754, 39.6038



72.5963, 59.4346, 88.0296



14.2665, 5.8476, 68.7838



15.0196, 11.8071, 18.2880



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.



37.0751, 18.2754, 39.6038



51.2201, 25.2521, 54.4847



30.7067, 15.7280, 6.0681



13.4791, 13.2207, 15.7842



21.5819, 10.6338, 23.2423



1.4301, 0.7017, 1.6741

Inverse Universe

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



37.0751, 18.2754, 39.6038



51.2201, 25.2521, 54.4847



32.0627, 54.1957, 41.2971



13.4791, 13.2207, 15.7842



21.5819, 10.6338, 23.2423



1.4301, 0.7017, 1.6741

Previews

White Background



This preview shows how the XYZ color 37.0745, 18.2744, 39.6035 looks on a white background.

Color Contrast Check

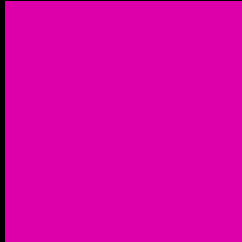
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 37.0745, 18.2744, 39.6035 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

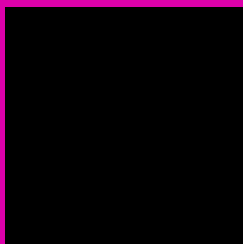
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.0745, 18.2744, 39.6035

Background



This preview shows how black text looks on a background with the XYZ color 37.0745, 18.2744, 39.6035.



This preview shows how white text looks on a background with the XYZ color 37.0745, 18.2744,

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

37.0745, 18.2744, 39.6035

Protanopia

22.8157, 19.1990, 85.7223

Deuteranopia

19.2920, 18.8396, 35.4205



Tritanopia

30.5532, 18.6026, 7.7747

Trichromacy



Original Color

37.0745, 18.2744, 39.6035



Protanomaly

20.3080, 12.6874, 65.6685



Deuteranomaly

21.8894, 14.2558, 36.2483



Tritanomaly

31.7843, 17.3673, 15.3127

Monochromacy



Original Color

37.0745, 18.2744, 39.6035



Achromatopsia

8.6345, 9.0842, 9.8927



Achromatomaly

14.3031, 8.9676, 17.5001

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.0745, 18.2744, 39.6035 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, 0, 170)` looks like.

```
.text, #text, p{  
    color:rgb(221, 0, 170)  
}
```

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, 0, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 0, 170) }
```

Border

The CSS property to change the border of an element to XYZ 37.0745, 18.2744, 39.6035 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, 0, 170) }
```


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

```
.border{ border-color:rgb(221, 0, 170) }
```

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

Here you see how a box with a 4 pixel rgb(221, 0, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 0, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 0, 170);  
box-shadow:4px 4px 4px 4px rgb(221, 0,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 37.0745, 18.2744, 39.6035 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 0, 170) }
```

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

```
.background{ background-color: rgb(221, 0,  
170) }
```

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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