

Converting Colors

XYZ(38.1598, 18.8294, 39.8606)

Have a look what the booklet for
XYZ(38.1598, 18.8294, 39.8606)
contains.

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Color

**XYZ(37.9962, 18.7496,
39.6466)**

Conversions

Conversions Part 1

Format	Color
Hex	E000AA
RGB	224, 0, 170
RGB Percent	88%, 0%, 67%
CMY	0.1216, 0.9998, 0.3333
CMYK	0.00, 1.00, 0.24, 0.12
HSL	314°, 100%, 44%
HSV	314°, 100%, 88%
XYZ	37.9962, 18.7496, 39.6466
YIQ	86.3560, 78.9340, 100.3580

Conversions

Conversions Part 2

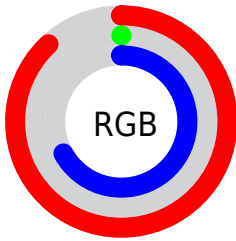
Format	Color
RYB	224, 0, 170
Decimal	14680234
CIELab	50.39, 82.15, -28.35
CIElCh	50, 86.906, 340.964
Yxy	18.7496, 0.3942, 0.1945
Android (android.graphics.Color)	4292870314 (0xFFE000AA)
YUV	86.3560, 41.2365, 120.7138
Hunter-Lab	43.3008, 80.8563, -23.9759

Details

The XYZ color **37.9962, 18.7496, 39.6466** 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 **27.3232, 53.5786, 12.3970**, and the grayscale version is **8.8295, 9.2893, 10.1161**.

A 20% lighter version of the original color is **59.0597, 34.9354, 75.5819**, and **18.3151, 9.0709, 17.6152** is the 20% darker color. If you saturate the color by 10%, you get **37.9954, 18.7493, 39.6416**, and if you desaturate by 10%, it is **38.8134, 19.5492, 42.4921**.

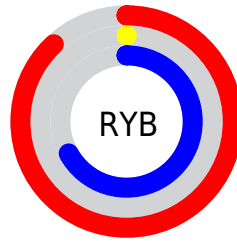
Distribution



Red (88%)

Green (0%)

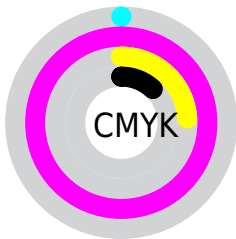
Blue (67%)



Red (88%)

Yellow (0%)

Blue (67%)

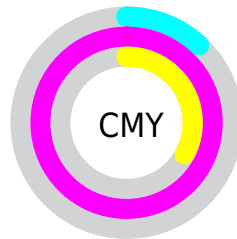


Cyan (0%)

Magenta (100%)

Yellow (24%)

Black (12%)



Cyan (12%)


Magenta (100%)

Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.9962, 18.7496, 39.6466 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 37.9962, 18.7496, 39.6466 by changing the saturation by 10% instead.

 37.9962, 18.7496,
39.6466

 37.9962, 18.7496,
39.6466

328.8848,
245.0629, 360.1395


 26.1569, 11.4895,
26.9514


 71.4062, 41.3106,
75.8563


 17.0744, 6.3971,
17.3046


 93.7077, 57.3802,
100.2078

 10.3832, 3.0880,
10.2877


 120.2274, 77.1551,
129.2819

 5.7180, 1.1779,
5.4820

 151.3305,
101.0197, 163.4971

 2.7134, 0.0435,
2.4691

 187.3824,
129.3584, 203.2719

 1.0041, 0.0000,
0.8237

 228.7485,

 0.0000, 0.0000,

162.5556, 249.0249

0.0000

275.7942,
200.9956, 301.1746

■ 37.9962, 18.7496,
39.6466

■ 37.9962, 18.7496,
39.6466

■ 37.9954, 18.7493,
39.6416

■ 38.8134, 19.5492,
42.4921

■ 39.9933, 21.0403,
45.5631

■ 41.6469, 23.4445,
48.8981

■ 43.8375, 26.8880,
52.5192

■ 46.6183, 31.4768,
56.4453

■ 50.0361, 37.3040,
60.6931

■ 54.1327, 44.4531,
65.2778

■ 58.9464, 53.0001,
70.2131

■ 64.5125, 63.0154,
75.5119

Harmonies

Analogous

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



30.7244, 18.7496, 79.5024



37.9962, 18.7496, 39.6466



38.9846, 18.7496, 12.7873

Triad

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



37.9962, 18.7496, 39.6466



14.9080, 18.7496, 0.1094



8.1575, 18.7496, 68.5871

Complementary

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



37.9962, 18.7496, 39.6466



27.3232, 53.5786, 12.3970

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.



6.1615, 18.7496, 30.5967



37.9962, 18.7496, 39.6466



9.1556, 18.7496, 1.5861

Square

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



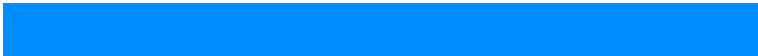
37.9962, 18.7496, 39.6466



23.6583, 18.7496, 0.3307



6.4575, 18.7496, 8.6947



13.0326, 18.7496, 103.4621

Rectangle

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



37.9962, 18.7496, 39.6466



35.6829, 18.7496, 4.6201



6.4575, 18.7496, 8.6947



7.2096, 18.7496, 54.8990

Sweetspot

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



37.9968, 18.7506, 39.6469



72.4811, 59.3885, 87.4228



14.8868, 6.1208, 70.9182



14.9919, 11.7960, 18.1420



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.



37.9968, 18.7506, 39.6469



50.9232, 25.1333, 52.9209



31.5505, 16.1721, 5.7011



14.1463, 13.8762, 16.5408



22.1632, 10.9323, 23.3230



1.5705, 0.7715, 1.7973

Inverse Universe

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



37.9968, 18.7506, 39.6469



50.9232, 25.1333, 52.9209



33.3824, 56.0023, 44.3041



14.1463, 13.8762, 16.5408



22.1632, 10.9323, 23.3230



1.5705, 0.7715, 1.7973

Previews

White Background



This preview shows how the XYZ color 37.9962, 18.7496, 39.6466 looks on a white background.

Color Contrast Check

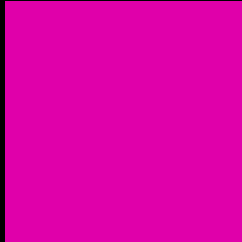
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.9962, 18.7496, 39.6466 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

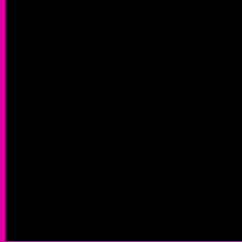
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.9962, 18.7496, 39.6466

Background



This preview shows how black text looks on a background with the XYZ color 37.9962, 18.7496, 39.6466.



This preview shows how white text looks on a background with the XYZ color 37.9962, 18.7496,

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

37.9962, 18.7496, 39.6466

Protanopia

23.4199, 19.8391, 86.5994

Deuteranopia

19.7845, 19.4469, 35.5117



Tritanopia

31.4315, 19.0554, 7.8158

Trichromacy



Original Color

37.9962, 18.7496, 39.6466



Protanomaly

21.0951, 13.1782, 66.3976



Deuteranomaly

22.3322, 14.5855, 36.2886



Tritanomaly

32.6788, 17.8284, 15.3545

Monochromacy



Original Color

37.9962, 18.7496, 39.6466



Achromatopsia

8.8453, 9.3059, 10.1341



Achromatomaly

14.7304, 9.2510, 17.8389

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.9962, 18.7496, 39.6466 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(224, 0, 170)` looks like.

```
.text, #text, p{  
    color:rgb(224, 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(224, 0, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 0, 170) }
```

Border

The CSS property to change the border of an element to XYZ 37.9962, 18.7496, 39.6466 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(224, 0, 170) }
```


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

```
.border{ border-color:rgb(224, 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(224, 0, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 0, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 0, 170);  
box-shadow:4px 4px 4px 4px rgb(224, 0,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 37.9962, 18.7496, 39.6466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 0, 170) }
```

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

```
.background{ background-color: rgb(224, 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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