

Converting Colors

XYZ(37.0257, 18.0206, 49.9354)

Have a look what the booklet for
XYZ(37.0257, 18.0206, 49.9354)
contains.

XYZ(36.9169, 17.9703, 49.6670)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(36.9169, 17.9703,
49.6670)**

Conversions

Conversions Part 1

Format	Color
Hex	D600BD
RGB	214, 0, 189
RGB Percent	84%, 0%, 74%
CMY	0.1608, 0.9999, 0.2588
CMYK	0.00, 1.00, 0.12, 0.16
HSL	307°, 100%, 42%
HSV	307°, 100%, 84%
XYZ	36.9169, 17.9703, 49.6670
YIQ	85.5320, 66.8750, 104.1470

Conversions

Conversions Part 2

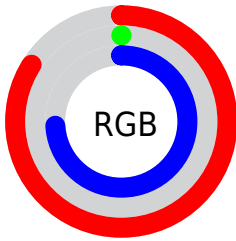
Format	Color
R_{YB}	214, 0, 189
Decimal	14024893
CIE _{Lab}	49.46, 82.65, -41.09
CIE _{LCh}	49, 92.306, 333.564
Y _{xy}	17.9703, 0.3531, 0.1719
Android (android.graphics.Color)	4292214973 (0xFFD600BD)
Y _{UV}	85.5320, 51.0097, 112.6664
Hunter-Lab	42.3914, 81.2633, -39.7919

Details

The XYZ color **36.9169, 17.9703, 49.6670** is a dark color, and the websafe version is hex **CC33CC**. The color can be described as middle washed rose. A complement of this color would be **24.2231, 48.1642, 8.9417**, and the grayscale version is **8.6369, 9.0867, 9.8954**.

A 20% lighter version of the original color is **61.8773, 35.9192, 90.8606**, and **17.6996, 8.6193, 23.6525** is the 20% darker color. If you saturate the color by 10%, you get **36.9167, 17.9702, 49.6648**, and if you desaturate by 10%, it is **37.4673, 18.6325, 51.2014**.

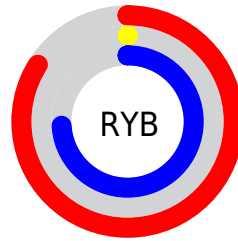
Distribution



Red (84%)

Green (0%)

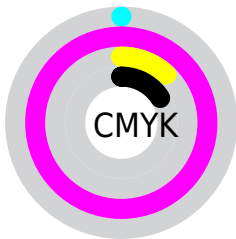
Blue (74%)



Red (84%)

Yellow (0%)

Blue (74%)

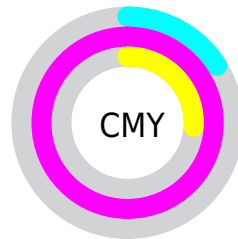


Cyan (0%)

Magenta (100%)

Yellow (12%)

Black (16%)



Cyan (16%)


Magenta (100%)


Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.9169, 17.9703, 49.6670 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 36.9169, 17.9703, 49.6670 by changing the saturation by 10% instead.


 36.9169, 17.9703,
49.6670


 36.9169, 17.9703,
49.6670


324.3124,
240.7036, 402.0600


 25.3165, 10.9287,
34.7796


 69.7596, 39.9867,
91.0725


 16.4430, 6.0189,
23.2109


 91.7327, 55.7303,
118.4277


 9.9310, 2.8566,
14.5426


 117.8940, 75.1433,
150.7758

 5.4152, 1.0573,
8.3559

 148.6090, 98.6101,
188.5354

 2.5301, 0.0000,
4.2325

 184.2430,
126.5152, 232.1251

 0.9105, 0.0000,
1.7538

 225.1613,

 0.0000, 0.0000,

159.2428, 281.9634

0.3972

271.7293,
197.1775, 338.4689

■ 0.0000, 0.0000,
0.0000

■ 36.9169, 17.9703,
49.6670

■ 36.9169, 17.9703,
49.6670

■ 36.9167, 17.9702,
49.6648

■ 37.4673, 18.6325,
51.2014

■ 38.3275, 19.9072,
52.8621

■ 39.5996, 21.9982,
54.6835

■ 41.3397, 25.0175,
56.6842

■ 43.5952, 29.0600,
58.8803

■ 46.4075, 34.2085,
61.2857

■ 49.8140, 40.5376,
63.9129

■ 53.8486, 48.1152,
66.7733

■ 58.5428, 57.0042,
69.8776

Harmonies

Analogous

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



28.1253, 17.9703, 93.0268



36.9169, 17.9703, 49.6670



39.8684, 17.9703, 16.7316

Triad

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



36.9169, 17.9703, 49.6670



16.0593, 17.9703, 0.0000



6.5737, 17.9703, 59.9193

Complementary

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



36.9169, 17.9703, 49.6670



24.2231, 48.1642, 8.9417

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.



5.2177, 17.9703, 22.7051



36.9169, 17.9703, 49.6670



9.3876, 17.9703, 0.5845

Square

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



36.9169, 17.9703, 49.6670



25.6829, 17.9703, 0.1833



6.0377, 17.9703, 5.0310



10.6514, 17.9703, 101.7222

Rectangle

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



36.9169, 17.9703, 49.6670



37.5138, 17.9703, 5.9654



6.0377, 17.9703, 5.0310



5.8619, 17.9703, 45.7179

Sweetspot

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



36.9176, 17.9712, 49.6673



73.9040, 59.9577, 94.9160



12.5390, 5.0625, 63.9353



15.3356, 11.9335, 19.9520



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.



36.9176, 17.9712, 49.6673



54.8586, 26.7074, 73.6444



29.2573, 14.9071, 9.3291



12.8876, 12.6065, 15.3485



22.3387, 10.8718, 30.1512



1.3655, 0.6630, 1.9139

Inverse Universe

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



36.9176, 17.9712, 49.6673



54.8586, 26.7074, 73.6444



28.2108, 49.7593, 29.9406



12.8876, 12.6065, 15.3485



22.3387, 10.8718, 30.1512



1.3655, 0.6630, 1.9139

Previews

White Background



This preview shows how the XYZ color 36.9169, 17.9703, 49.6670 looks on a white background.

Color Contrast Check

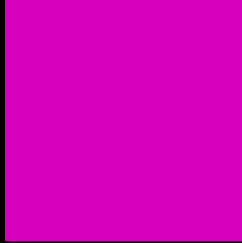
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.9169, 17.9703, 49.6670 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

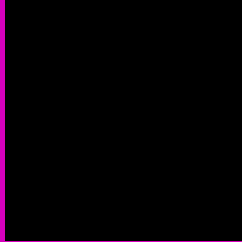
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 36.9169, 17.9703, 49.6670

Background



This preview shows how black text looks on a background with the XYZ color 36.9169, 17.9703, 49.6670.



This preview shows how white text looks on a background with the XYZ color 36.9169, 17.9703,

49.6670.

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

36.9169, 17.9703, 49.6670

Protanopia

22.4599, 18.7931, 88.0316

Deuteranopia

19.1487, 18.7477, 44.2044



Tritanopia

28.7619, 18.2994, 9.4134

Trichromacy



Original Color

36.9169, 17.9703, 49.6670



Protanomaly

18.9790, 11.7666, 71.7919



Deuteranomaly

21.4062, 13.9084, 45.2724



Tritanomaly

30.3587, 16.7748, 19.0905

Monochromacy



Original Color

36.9169, 17.9703, 49.6670



Achromatopsia

8.8453, 9.3059, 10.1341



Achromatomaly

14.6142, 9.1490, 19.7346

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.9169, 17.9703, 49.6670 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(214, 0, 189)` looks like.

```
.text, #text, p{  
    color:rgb(214, 0, 189)  
}
```

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(214, 0, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 0, 189) }
```

Border

The CSS property to change the border of an element to XYZ 36.9169, 17.9703, 49.6670 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(214, 0, 189) }
```


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

```
.border{ border-color:rgb(214, 0, 189) }
```

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

Here you see how a box with a 4 pixel rgb(214, 0, 189) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 0, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 0, 189);  
box-shadow:4px 4px 4px 4px rgb(214, 0,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 36.9169, 17.9703, 49.6670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 0, 189) }
```

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

```
.background{ background-color: rgb(214, 0,  
189) }
```

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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