

Converting Colors

XYZ(36.9141, 17.7292, 71.9975)

Have a look what the booklet for
XYZ(36.9141, 17.7292, 71.9975)
contains.

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Color

**XYZ(36.9141, 17.7292,
71.9975)**

Conversions

Conversions Part 1

Format	Color
Hex	C60FE0
RGB	198, 15, 224
RGB Percent	78%, 6%, 88%
CMY	0.2235, 0.9411, 0.1216
CMYK	0.12, 0.93, 0.00, 0.12
HSL	293°, 87%, 47%
HSV	293°, 93%, 88%
XYZ	36.9141, 17.7292, 71.9975
YIQ	93.5430, 41.9790, 103.7950

Conversions

Conversions Part 2

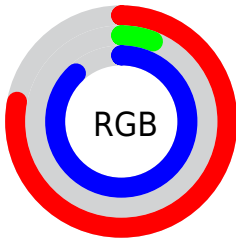
Format	Color
R _Y B	198, 15, 224
Decimal	12980192
CIE Lab	49.17, 83.91, -61.89
CIE LCh	49, 104.264, 323.591
Yxy	17.7292, 0.2915, 0.1400
Android (android.graphics.Color)	4291170272 (0xFFC60FE0)
YUV	93.5430, 64.3153, 91.6088
Hunter-Lab	42.1061, 82.8042, -71.9062

Details

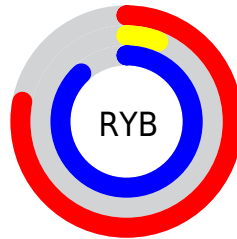
The XYZ color **36.9141, 17.7292, 71.9975** is a dark color, and the websafe version is hex **CC33FF**. The color can be described as middle washed magenta. A complement of this color would be **27.6570, 53.8177, 9.3827**, and the grayscale version is **10.3808, 10.9214, 11.8934**.

A 20% lighter version of the original color is **63.4729, 36.8457, 98.3743**, and **17.7153, 8.3161, 37.7173** is the 20% darker color. If you saturate the color by 10%, you get **36.2545, 17.1356, 71.9180**, and if you desaturate by 10%, it is **38.1598, 19.1192, 72.2004**.

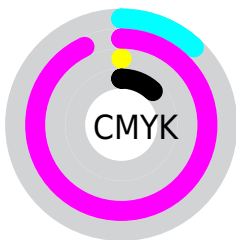
Distribution



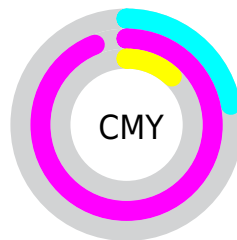
- Red (78%)
- Green (6%)
- Blue (88%)



- Red (78%)
- Yellow (6%)
- Blue (88%)



- Cyan (12%)
- Magenta (93%)
- Yellow (0%)
- Black (12%)





- Cyan (22%)
- Magenta (94%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.9141, 17.7292, 71.9975 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 36.9141, 17.7292, 71.9975 by changing the saturation by 10% instead.

 36.9141, 17.7292,
71.9975


 36.9141, 17.7292,
71.9975


324.3005,
239.3402, 486.5102


 25.3144, 10.7557,
52.6698


 69.7553, 39.5753,
123.7607


 16.4414, 5.9028,
37.1533


 91.7275, 55.2168,
157.0332


 9.9299, 2.7861,
25.0295


 117.8880, 74.5164,
195.7911

 5.4144, 1.0211,
15.8798

 148.6019, 97.8586,
240.4530

 2.5296, 0.0000,
9.2857

 184.2348,
125.6276, 291.4373

 0.9102, 0.0000,
4.8287

 225.1520,

 0.0000, 0.0000,

158.2080, 349.1625

2.0901

271.7187,
195.9840, 414.0473

■ 0.0000, 0.0000,
0.6099

■ 0.0000, 0.0000,
0.0000

■ 36.9141, 17.7292,
71.9975

■ 36.9141, 17.7292,
71.9975

■ 36.2545, 17.1356,
71.9180

■ 38.1598, 19.1192,
72.2004

■ 39.8464, 21.3716,
72.5463

■ 42.0423, 24.6225,
73.0580

■ 44.8035, 28.9836,
73.7543

■ 48.1785, 34.5517,
74.6512

■ 52.2104, 41.4131,
75.7630

■ 56.9385, 49.6461,
77.1030

■ 62.3987, 59.3227,
78.6829

■ 68.6248, 70.5100,
80.5142

Harmonies

Analogous

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



25.5319, 17.7292, 122.3115



36.9141, 17.7292, 71.9975



43.2234, 17.7292, 25.9458

Triad

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



36.9141, 17.7292, 71.9975



19.0337, 17.7292, 0.0000



4.8408, 17.7292, 49.7885

Complementary

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



36.9141, 17.7292, 71.9975



27.6570, 53.8177, 9.3827

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.



4.2362, 17.7292, 13.9052



36.9141, 17.7292, 71.9975



10.4015, 17.7292, 0.0000

Square

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



36.9141, 17.7292, 71.9975



30.6231, 17.7292, 0.0599



5.8112, 17.7292, 1.7497



7.9869, 17.7292, 102.8993

Rectangle

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



36.9141, 17.7292, 71.9975



42.4630, 17.7292, 9.2290



5.8112, 17.7292, 1.7497



4.4009, 17.7292, 34.8871

Sweetspot

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



36.9149, 17.7300, 71.9979



73.1549, 60.9492, 102.5164



14.5113, 7.2025, 71.1467



15.0866, 12.0547, 21.7816



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.



36.9149, 17.7300, 71.9979



48.5670, 22.9521, 96.4782



36.2073, 18.3077, 29.3825



14.1185, 13.8446, 17.3158



21.1697, 10.0087, 41.8645



1.5151, 0.7183, 2.9040

Inverse Universe

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



31.3121, 16.3496, 3.6044



41.4970, 21.3628, 3.2831



28.7692, 54.1797, 18.9849



13.7763, 13.7281, 14.5920



18.0369, 9.2818, 1.5943



1.2733, 0.6526, 0.2319

Previews

White Background



This preview shows how the XYZ color 36.9141, 17.7292, 71.9975 looks on a white background.

Color Contrast Check

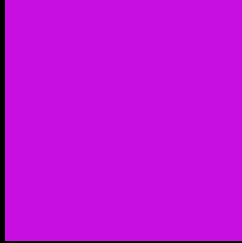
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.9141, 17.7292, 71.9975 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

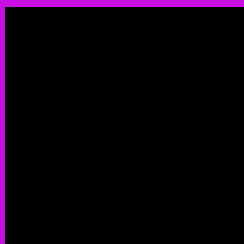
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 36.9141, 17.7292, 71.9975

Background



This preview shows how black text looks on a background with the XYZ color 36.9141, 17.7292, 71.9975.



This preview shows how white text looks on a background with the XYZ color 36.9141, 17.7292,

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

36.9141, 17.7292, 71.9975

Protanopia

21.7455, 18.3259, 84.8292

Deuteranopia

18.9003, 18.3557, 64.1749



Tritanopia

24.9293, 17.9161, 12.9707

Trichromacy



Original Color

36.9141, 17.7292, 71.9975



Protanomaly

20.2482, 12.7670, 79.2390



Deuteranomaly

19.5318, 13.1163, 66.4680



Tritanomaly

27.3441, 16.0896, 27.2556

Monochromacy



Original Color

36.9141, 17.7292, 71.9975



Achromatopsia

10.6392, 11.1932, 12.1894



Achromatomaly

16.2137, 10.6092, 26.3925

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.9141, 17.7292, 71.9975 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(198, 15, 224)` looks like.

```
.text, #text, p{  
    color:rgb(198, 15, 224)  
}
```

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(198, 15, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 15, 224) }
```

Border

The CSS property to change the border of an element to XYZ 36.9141, 17.7292, 71.9975 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(198, 15, 224) }
```


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

```
.border{ border-color:rgb(198, 15, 224) }
```

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

Here you see how a box with a 4 pixel rgb(198, 15, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 15, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 15, 224);  
box-shadow:4px 4px 4px 4px rgb(198, 15,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 36.9141, 17.7292, 71.9975 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 15, 224) }
```

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

```
.background{ background-color: rgb(198, 15,  
224) }
```

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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