

Converting Colors

XYZ(37.0364, 17.0447, 95.9457)

Have a look what the booklet for
XYZ(37.0364, 17.0447, 95.9457)
contains.

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Color

**XYZ(37.1278, 17.0872,
95.9490)**

Conversions

Conversions Part 1

Format	Color
Hex	B502FF
RGB	181, 2, 255
RGB Percent	71%, 1%, 100%
CMY	0.2902, 0.9921, 0.0000
CMYK	0.29, 0.99, 0.00, 0.00
HSL	282°, 100%, 50%
HSV	282°, 99%, 100%
XYZ	37.1278, 17.0872, 95.9490
YIQ	84.3630, 25.4710, 116.6310

Conversions

Conversions Part 2

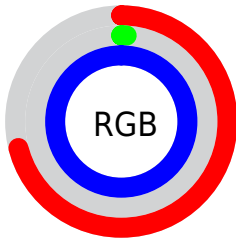
Format	Color
RYB	181, 2, 255
Decimal	11862783
CIELab	48.37, 88.05, -80.76
CIElCh	48, 119.477, 317.471
Yxy	17.0872, 0.2472, 0.1138
Android (android.graphics.Color)	4290052863 (0xFFB502FF)
YUV	84.3630, 84.1240, 84.7506
Hunter-Lab	41.3367, 87.9861, -108.6859

Details

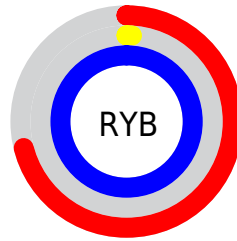
The XYZ color **37.1278, 17.0872, 95.9490** is a dark color, and the websafe version is hex **CC00FF**. The color can be described as middle saturated purple. A complement of this color would be **38.7518, 73.0611, 12.1174**, and the grayscale version is **8.3312, 8.7650, 9.5451**.

A 20% lighter version of the original color is **58.8393, 33.9290, 98.0555**, and **17.8238, 8.0243, 53.4327** is the 20% darker color. If you saturate the color by 10%, you get **36.9695, 16.9734, 95.9354**, and if you desaturate by 10%, it is **39.3067, 18.7775, 96.1605**.

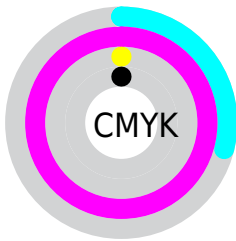
Distribution



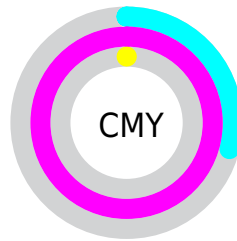
- Red (71%)
- Green (1%)
- Blue (100%)



- Red (71%)
- Yellow (1%)
- Blue (100%)



- Cyan (29%)
- Magenta (99%)
- Yellow (0%)
- Black (0%)





- Cyan (29%)
- Magenta (99%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.1278, 17.0872, 95.9490 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 37.1278, 17.0872, 95.9490 by changing the saturation by 10% instead.


 37.1278, 17.0872,
95.9490


 37.1278, 17.0872,
95.9490


325.2094,
235.6744, 568.2604


 25.4806, 10.2967,
72.3238

 70.0819, 38.4756,
157.5819

 16.5661, 5.5961,
52.9348


 92.1194, 53.8424,
196.4267


 10.0190, 2.6011,
37.3634


 118.3511, 72.8366,
241.1817

 5.4739, 0.9272,
25.1910

 149.1423, 95.8427,
292.2657

 2.5655, 0.0000,
15.9991

 184.8584,
123.2452, 350.0969

 0.9284, 0.0000,
9.3691

 225.8647,

 0.0000, 0.0000,

155.4284, 415.0941

4.8826

272.5266,
192.7766, 487.6758

■ 0.0000, 0.0000,
2.1210

■ 0.0000, 0.0000,
0.6282

■ 37.1278, 17.0872,
95.9490

■ 37.1278, 17.0872,
95.9490

■ 36.9695, 16.9734,
95.9354

■ 39.3067, 18.7775,
96.1605

■ 42.0677, 21.4919,
96.5389

■ 45.5424, 25.4909,
97.1276

■ 49.8183, 30.9469,
97.9554

■ 54.9691, 38.0055,
99.0463

■ 61.0594, 46.7941,
100.4217

■ 68.1474, 57.4271,
102.1005

■ 76.2863, 70.0090,
104.1001

■ 85.5252, 84.6362,
106.4365

Harmonies

Analogous

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



23.3891, 17.0872, 154.9232



37.1278, 17.0872, 95.9490



46.5379, 17.0872, 34.9215

Triad

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



37.1278, 17.0872, 95.9490



21.2308, 17.0872, 0.0000



3.3228, 17.0872, 43.1030

Complementary

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



37.1278, 17.0872, 95.9490



38.7518, 73.0611, 12.1174

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.



3.1629, 17.0872, 8.3772



37.1278, 17.0872, 95.9490



10.7212, 17.0872, 0.0000

Square

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



37.1278, 17.0872, 95.9490



34.9519, 17.0872, 0.0000



5.1669, 17.0872, 0.1841



5.7862, 17.0872, 107.3048

Rectangle

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



37.1278, 17.0872, 95.9490



47.1896, 17.0872, 11.8349



5.1669, 17.0872, 0.1841



3.0560, 17.0872, 27.5623

Sweetspot

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



37.1287, 17.0878, 95.9491



67.5520, 56.5207, 101.9570



20.7928, 12.6683, 95.9571



13.7998, 11.1022, 21.6656



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.



37.1287, 17.0878, 95.9491



36.9695, 16.9734, 95.9354



52.2091, 25.6825, 59.5850



18.2448, 18.0179, 22.7662



19.4735, 8.9495, 50.1356



2.0051, 0.9276, 4.8866

Inverse Universe

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



42.5664, 21.8254, 8.8074



42.4958, 21.7623, 8.5429



36.4187, 71.7864, 15.2575



18.2279, 18.0745, 19.8172



22.2611, 11.3937, 4.7593



2.2127, 1.1274, 0.7014

Previews

White Background



This preview shows how the XYZ color 37.1278, 17.0872, 95.9490 looks on a white background.

Color Contrast Check

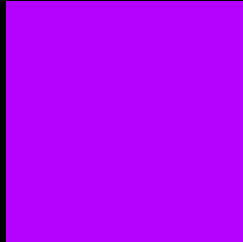
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.1278, 17.0872, 95.9490 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

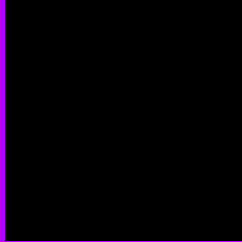
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 37.1278, 17.0872, 95.9490

Background



This preview shows how black text looks on a background with the XYZ color 37.1278, 17.0872, 95.9490.



This preview shows how white text looks on a background with the XYZ color 37.1278, 17.0872,

95.9490.

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

37.1278, 17.0872, 95.9490

Protanopia

20.9345, 17.6445, 81.6592

Deuteranopia

17.6163, 17.6014, 60.2265



Tritanopia

20.9213, 17.2438, 16.1356

Trichromacy



Original Color

37.1278, 17.0872, 95.9490



Protanomaly

20.7418, 12.2640, 86.0680



Deuteranomaly

18.1505, 11.6548, 71.1050



Tritanomaly

23.7835, 14.2393, 35.2132

Monochromacy



Original Color

37.1278, 17.0872, 95.9490



Achromatopsia

8.4267, 8.8656, 9.6546



Achromatomaly

14.1152, 8.6356, 28.1170

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1278, 17.0872, 95.9490 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(181, 2, 255)` looks like.

```
.text, #text, p{  
    color:rgb(181, 2, 255)  
}
```

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(181, 2, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 2, 255) }
```

Border

The CSS property to change the border of an element to XYZ 37.1278, 17.0872, 95.9490 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(181, 2, 255) }
```


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

```
.border{ border-color:rgb(181, 2, 255) }
```

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

Here you see how a box with a 4 pixel rgb(181, 2, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 2, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 2, 255);  
box-shadow:4px 4px 4px 4px rgb(181, 2,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 37.1278, 17.0872, 95.9490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 2, 255) }
```

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

```
.background{ background-color: rgb(181, 2,  
255) }
```

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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