

Converting Colors

XYZ(37.2285, 17.5096, 91.7783)

Have a look what the booklet for
XYZ(37.2285, 17.5096, 91.7783)
contains.

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Color

**XYZ(37.2388, 17.5251,
91.8625)**

Conversions

Conversions Part 1

Format	Color
Hex	B812FA
RGB	184, 18, 250
RGB Percent	72%, 7%, 98%
CMY	0.2784, 0.9294, 0.0196
CMYK	0.26, 0.93, 0.00, 0.02
HSL	283°, 96%, 53%
HSV	283°, 93%, 98%
XYZ	37.2388, 17.5251, 91.8625
YIQ	94.0820, 24.4640, 107.3440

Conversions

Conversions Part 2

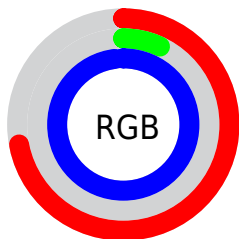
Format	Color
R_{YB}	184, 18, 250
Decimal	12063482
CIE _{Lab}	48.91, 86.06, -77.06
CIE _{LCh}	49, 115.519, 318.158
Yxy	17.5251, 0.2540, 0.1195
Android (android.graphics.Color)	4290253562 (0xFFB812FA)
YUV	94.0820, 76.8676, 78.8581
Hunter-Lab	41.8630, 85.5226, -100.7995

Details

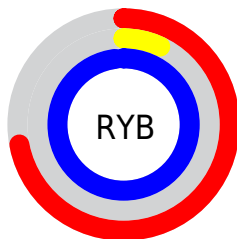
The XYZ color **37.2388, 17.5251, 91.8625** is a light color, and the websafe version is hex **CC00FF**. The color can be described as light washed purple. A complement of this color would be **37.9515, 70.3002, 12.1416**, and the grayscale version is **10.4804, 11.0262, 12.0075**.

A 20% lighter version of the original color is **59.8891, 34.9982, 98.2066**, and **17.6828, 8.0167, 50.4846** is the 20% darker color. If you saturate the color by 10%, you get **35.8182, 16.4716, 91.7344**, and if you desaturate by 10%, it is **39.6343, 19.7217, 92.1606**.

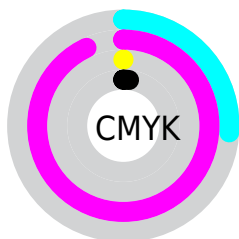
Distribution



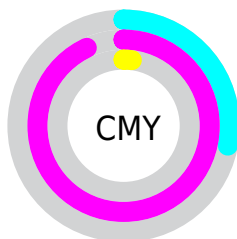
- Red (72%)
- Green (7%)
- Blue (98%)



- Red (72%)
- Yellow (7%)
- Blue (98%)



- Cyan (26%)
- Magenta (93%)
- Yellow (0%)
- Black (2%)





- Cyan (28%)
- Magenta (93%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.2388, 17.5251, 91.8625 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 37.2388, 17.5251, 91.8625 by changing the saturation by 10% instead.


 37.2388, 17.5251,
91.8625


 37.2388, 17.5251,
91.8625

325.6808,
238.1805, 554.7967


 25.5670, 10.6096,
68.9440

 70.2514, 39.2264,
151.8808


 16.6309, 5.8050,
50.1947

 92.3228, 54.7810,
189.8178


 10.0654, 2.7268,
35.1958


 118.5915, 73.9841,
233.5980

 5.5049, 0.9908,
23.5290

 149.4227, 97.2200,
283.6400

 2.5842, 0.0000,
14.7756

 185.1819,
124.8733, 340.3624

 0.9379, 0.0000,
8.5172

 226.2345,

 0.0000, 0.0000,

157.3281, 404.1836

4.3352

272.9456,
194.9691, 475.5222

■ 0.0000, 0.0000,
1.8110

■ 0.0000, 0.0000,
0.4352

■ 37.2388, 17.5251,
91.8625

■ 37.2388, 17.5251,
91.8625

■ 35.8182, 16.4716,
91.7344

■ 39.6343, 19.7217,
92.1606

■ 42.6716, 23.0739,
92.6475

■ 46.4409, 27.7595,
93.3533

■ 51.0163, 33.9249,
94.3022

■ 56.4621, 41.6968,
95.5153

■ 62.8355, 51.1882,
97.0114

■ 70.1888, 62.5018,
98.8076

■ 78.5699, 75.7318,
100.9195

■ 88.0236, 90.9663,
103.3618

Harmonies

Analogous

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



23.9491, 17.5251, 148.2869



37.2388, 17.5251, 91.8625



46.1067, 17.5251, 33.9566

Triad

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



37.2388, 17.5251, 91.8625



21.2597, 17.5251, 0.0000



3.7383, 17.5251, 44.0528

Complementary

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



37.2388, 17.5251, 91.8625



37.9515, 70.3002, 12.1416

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.



3.5252, 17.5251, 9.3436



37.2388, 17.5251, 91.8625



11.0194, 17.5251, 0.0000

Square

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



37.2388, 17.5251, 91.8625



34.5578, 17.5251, 0.0000



5.5300, 17.5251, 0.5087



6.3370, 17.5251, 105.6215

Rectangle

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



37.2388, 17.5251, 91.8625



46.5622, 17.5251, 11.8655



5.5300, 17.5251, 0.5087



3.4441, 17.5251, 28.7542

Sweetspot

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



37.2397, 17.5257, 91.8629



69.2656, 58.9442, 102.3344



20.9624, 13.9456, 92.0298



14.1377, 11.5656, 21.7372



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.



37.2397, 17.5257, 91.8629



37.4497, 17.2209, 95.9579



50.4923, 25.0975, 59.0597



17.4837, 17.2620, 21.7957



19.1475, 8.8136, 48.6656



1.8774, 0.8699, 4.5121

Inverse Universe

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



41.2413, 21.3971, 10.3448



42.4275, 21.7350, 8.1831



35.3723, 68.8750, 16.3411



17.4476, 17.3064, 18.9468



21.5703, 11.0438, 4.4457



2.0412, 1.0402, 0.6405

Previews

White Background



This preview shows how the XYZ color 37.2388, 17.5251, 91.8625 looks on a white background.

Color Contrast Check

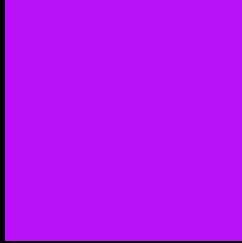
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.2388, 17.5251, 91.8625 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 37.2388, 17.5251, 91.8625

Background



This preview shows how black text looks on a background with the XYZ color 37.2388, 17.5251, 91.8625.



This preview shows how white text looks on a background with the XYZ color 37.2388, 17.5251,

91.8625.

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

37.2388, 17.5251, 91.8625

Protanopia

21.3377, 17.9833, 83.2354

Deuteranopia

17.9790, 17.9379, 61.5463



Tritanopia

21.7613, 17.5414, 15.8745

Trichromacy



Original Color

37.2388, 17.5251, 91.8625



Protanomaly

21.0661, 13.0529, 85.4136



Deuteranomaly

18.7273, 12.7075, 71.2778



Tritanomaly

24.7239, 15.2840, 33.9948

Monochromacy



Original Color

37.2388, 17.5251, 91.8625



Achromatopsia

10.6392, 11.1932, 12.1894



Achromatomaly

16.2865, 10.6428, 30.4740

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.2388, 17.5251, 91.8625 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(184, 18, 250)` looks like.

```
.text, #text, p{  
    color:rgb(184, 18, 250)  
}
```

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(184, 18, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 18, 250) }
```

Border

The CSS property to change the border of an element to XYZ 37.2388, 17.5251, 91.8625 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(184, 18, 250) }
```


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

```
.border{ border-color:rgb(184, 18, 250) }
```

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

Here you see how a box with a 4 pixel rgb(184, 18, 250) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 18, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 18, 250);  
box-shadow:4px 4px 4px 4px rgb(184, 18,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 37.2388, 17.5251, 91.8625 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 18, 250) }
```

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

```
.background{ background-color: rgb(184, 18,  
250) }
```

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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