

Converting Colors

XYZ(37.5183, 17.2585, 95.9382)

Have a look what the booklet for
XYZ(37.5183, 17.2585, 95.9382)
contains.

XYZ(37.5784, 17.2873, 95.9639)	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(37.5784, 17.2873,
95.9639)**

Conversions

Conversions Part 1	
Format	Color
Hex	B700FF
RGB	183, 0, 255
RGB Percent	72%, 0%, 100%
CMY	0.2823, 1.0000, 0.0000
CMYK	0.28, 1.00, 0.00, 0.00
HSL	283°, 100%, 50%
HSV	283°, 100%, 100%
XYZ	37.5784, 17.2873, 95.9639
YIQ	83.7870, 27.2130, 118.1010

Conversions

Conversions Part 2

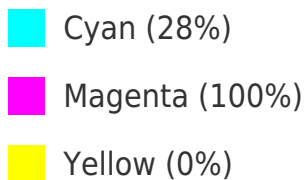
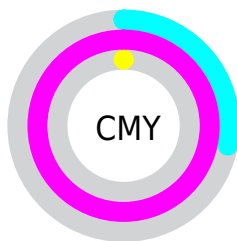
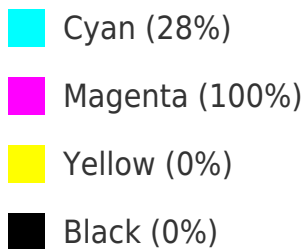
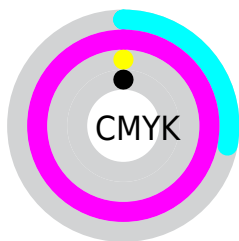
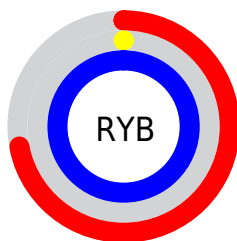
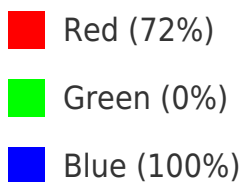
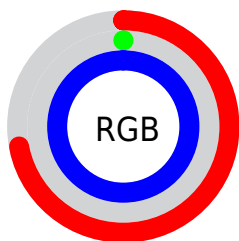
Format	Color
RYB	183, 0, 255
Decimal	11993343
CIELab	48.62, 88.44, -80.34
CIELCh	49, 119.484, 317.747
Yxy	17.2873, 0.2491, 0.1146
Android (android.graphics.Color)	4290183423 (0xFFB700FF)
YUV	83.7870, 84.4080, 87.0098
Hunter-Lab	41.5780, 88.5677, -107.7394

Details

The XYZ color **37.5784, 17.2873, 95.9639** 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 **38.4331, 72.8980, 12.0454**, and the grayscale version is **8.2131, 8.6408, 9.4099**.

A 20% lighter version of the original color is **59.5333, 34.2868, 98.0880**, and **18.1041, 8.1688, 53.4459** is the 20% darker color. If you saturate the color by 10%, you get **37.5785, 17.2873, 95.9639**, and if you desaturate by 10%, it is **39.6946, 18.9106, 96.1657**.


Distribution





Brightness & Saturation Gradients


These gradients show how the XYZ color 37.5784, 17.2873, 95.9639 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 37.5784, 17.2873, 95.9639 by changing the saturation by 10% instead.

 37.5784, 17.2873,
95.9639


 37.5784, 17.2873,
95.9639


 327.1202,
236.8226, 568.3092

 25.8314, 10.4395,
72.3362


 70.7695, 38.8191,
157.6026


 16.8295, 5.6913,
52.9448


 92.9444, 54.2719,
196.4507


 10.2076, 2.6583,
37.3713


 119.3258, 73.3619,
241.2093

 5.6001, 0.9561,
25.1971

 150.2793, 96.4734,
292.2970

 2.6418, 0.0000,
16.0036

 186.1701,
123.9908, 350.1323

 0.9673, 0.0000,
9.3723


 227.3636,


 0.0000, 0.0000,


156.2985, 415.1337

4.8847


274.2252,
193.7810, 487.7198


 0.0000, 0.0000,
2.1222


 0.0000, 0.0000,
0.6289


 37.5784, 17.2873,
95.9639


 37.5784, 17.2873,
95.9639

 37.5785, 17.2873,
95.9639

 39.6946, 18.9106,
96.1657

 42.3659, 21.5133,
96.5273

 45.7372, 25.3822,
97.0964

 49.8970, 30.6925,
97.9021

54.9197, 37.5914,
98.9690

60.8706, 46.2074,
100.3184

67.8081, 56.6557,
101.9695

75.7855, 69.0415,
103.9398

84.8522, 83.4618,
106.2453

Harmonies

Analogous

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



23.7562, 17.2873, 155.4679



37.5784, 17.2873, 95.9639



46.9676, 17.2873, 34.8217

Triad

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



37.5784, 17.2873, 95.9639



21.3395, 17.2873, 0.0000



3.3994, 17.2873, 43.9748

Complementary

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



37.5784, 17.2873, 95.9639



38.4331, 72.8980, 12.0454

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.



3.2191, 17.2873, 8.6742



37.5784, 17.2873, 95.9639



10.7915, 17.2873, 0.0000

Square

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



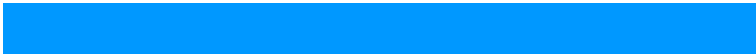
37.5784, 17.2873, 95.9639



35.1447, 17.2873, 0.0000



5.2232, 17.2873, 0.2438



5.9197, 17.2873, 108.6454

Rectangle

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



37.5784, 17.2873, 95.9639



47.5513, 17.2873, 11.7825



5.2232, 17.2873, 0.2438



3.1228, 17.2873, 28.2239

Sweetspot

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



37.5793, 17.2879, 95.9640



67.8051, 56.6512, 101.9688



20.3842, 11.8881, 95.8280



13.8605, 11.1335, 21.6684



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.



37.5793, 17.2879, 95.9640



37.5785, 17.2873, 95.9639



51.6365, 25.4188, 56.6766



18.2634, 18.0275, 22.7670



19.7891, 9.1121, 50.1504



2.0338, 0.9424, 4.8880

Inverse Universe

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



42.4100, 21.7282, 8.0908



42.4097, 21.7279, 8.0895



36.4559, 71.7984, 15.5840



18.2202, 18.0714, 19.7766



22.2146, 11.3751, 4.5148



2.2073, 1.1253, 0.6731

Previews

White Background



This preview shows how the XYZ color 37.5784, 17.2873, 95.9639 looks on a white background.

Color Contrast Check

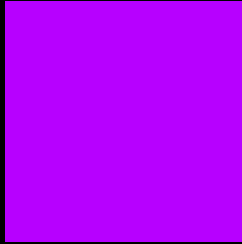
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.5784, 17.2873, 95.9639 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

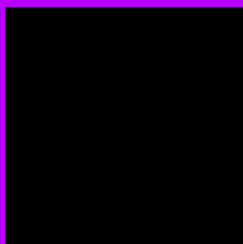
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 37.5784, 17.2873, 95.9639

Background



This preview shows how black text looks on a background with the XYZ color 37.5784, 17.2873, 95.9639.



This preview shows how white text looks on a background with the XYZ color 37.5784, 17.2873,

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

37.5784, 17.2873, 95.9639

Protanopia

21.1912, 17.9247, 82.4637

Deuteranopia

17.8570, 17.8892, 60.9043



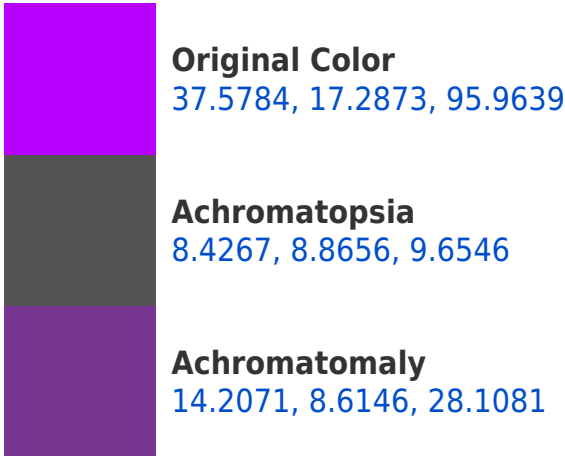
Tritanopia

21.5091, 17.5468, 16.1631

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.5784, 17.2873, 95.9639 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(183, 0, 255)` looks like.

```
.text, #text, p{  
    color:rgb(183, 0, 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(183, 0, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 0, 255) }
```

Border

The CSS property to change the border of an element to XYZ 37.5784, 17.2873, 95.9639 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(183, 0, 255) }
```


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

```
.border{ border-color:rgb(183, 0, 255) }
```

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

Here you see how a box with a 4 pixel rgb(183, 0, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 0, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 0, 255);  
box-shadow:4px 4px 4px 4px rgb(183, 0,  
255) }
```


Background

The CSS property to change the background color of an element to XYZ 37.5784, 17.2873, 95.9639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 0, 255) }
```

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

```
.background{ background-color: rgb(183, 0,  
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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