

# Converting Colors

XYZ(41.2576, 23.6647, 97.0010)

Have a look what the booklet for  
XYZ(41.2576, 23.6647, 97.0010)  
contains.

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# Color

**XYZ(41.3170, 23.6937,  
97.0034)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BA52FF
RGB	186, 82, 255
RGB Percent	73%, 32%, 100%
CMY	0.2706, 0.6784, 0.0000
CMYK	0.27, 0.68, 0.00, 0.00
HSL	276°, 100%, 66%
HSV	276°, 68%, 100%
XYZ	41.3170, 23.6937, 97.0034
YIQ	132.8180, 6.4510, 75.8510

# Conversions

## Conversions Part 2

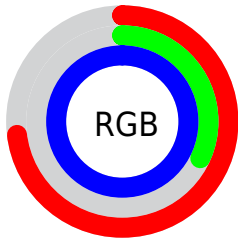
Format	Color
R <sub>Y</sub> B	186, 82, 255
Decimal	12210943
CIE <sub>Lab</sub>	55.78, 69.37, -68.69
CIE <sub>LCh</sub>	56, 97.619, 315.282
Yxy	23.6937, 0.2550, 0.1462
Android (android.graphics.Color)	4290401023 (0xFFBA52FF)
YUV	132.8180, 60.2357, 46.6406
Hunter-Lab	48.6762, 66.3299, -84.0816

# Details

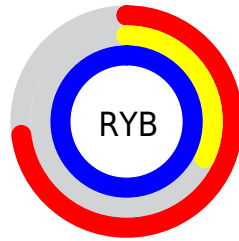
The XYZ color **41.3170, 23.6937, 97.0034** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted purple. A complement of this color would be **50.0455, 78.7085, 20.5378**, and the grayscale version is **22.0158, 23.1624, 25.2238**.

A 20% lighter version of the original color is **65.1445, 44.9898, 99.8581**, and **19.0013, 8.8849, 53.5368** is the 20% darker color. If you saturate the color by 10%, you get **37.3554, 19.3080, 96.3657**, and if you desaturate by 10%, it is **46.1704, 29.5996, 97.8876**.

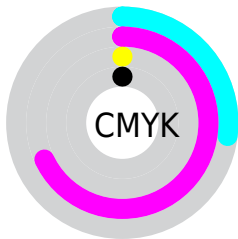
# Distribution



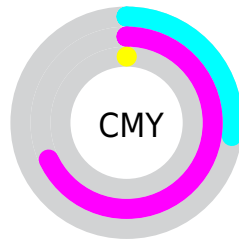
- Red (73%)
- Green (32%)
- Blue (100%)



- Red (73%)
- Yellow (32%)
- Blue (100%)



- Cyan (27%)
- Magenta (68%)
- Yellow (0%)
- Black (0%)




- Cyan (27%)
- Magenta (68%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.3170, 23.6937, 97.0034 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 41.3170, 23.6937, 97.0034 by changing the saturation by 10% instead.



 41.3170, 23.6937,  
97.0034


 41.3170, 23.6937,  
97.0034

342.6838,  
271.2683, 571.7063


 28.7556, 15.1066,  
73.1975


 76.4365, 49.5299,  
159.0488


 19.0394, 8.8942,  
53.6446


 99.7254, 67.5478,  
198.1253

 11.8029, 4.6722,  
37.9264


 127.3209, 89.4780,  
243.1291

 6.6809, 2.0563,  
25.6242

 159.5882,  
115.7049, 294.4788

 3.3079, 0.6399,  
16.3195

196.8928,  
146.6131, 352.5928

 1.3186, 0.0000,  
9.5937

239.6000,

 0.1971, 0.0000,

182.5867, 417.8897

5.0283

288.0752,  
224.0103, 490.7880

■ 0.0000, 0.0000,  
2.2049

■ 0.0000, 0.0000,  
0.6772

■ 41.3170, 23.6937,  
97.0034

■ 41.3170, 23.6937,  
97.0034

■ 37.3554, 19.3080,  
96.3657

■ 46.1704, 29.5996,  
97.8876

■ 34.1954, 16.2707,  
95.9460

■ 51.9871, 37.1669,  
99.0417

■ 31.7221, 14.3569,  
95.7070

■ 58.8338, 46.5230,  
100.4867

■ 31.2432, 14.0213,  
95.6674

■ 66.7701, 57.7818,  
102.2416

■ 75.8505, 71.0476,  
104.3235

■ 86.1256, 86.4170,  
106.7486

95.0500, 100.0000,  
108.9000

# Harmonies

## Analogous

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



28.6188, 23.6937, 140.8624



41.3170, 23.6937, 97.0034



50.0687, 23.6937, 44.6239

# Triad

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



41.3170, 23.6937, 97.0034



28.3814, 23.6937, 0.1227



7.5810, 23.6937, 45.4666

# Complementary

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



41.3170, 23.6937, 97.0034



50.0455, 78.7085, 20.5378

# 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.



7.5547, 23.6937, 13.1892



41.3170, 23.6937, 97.0034



17.3559, 23.6937, 0.1402

# Square

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



41.3170, 23.6937, 97.0034



41.0948, 23.6937, 2.1901



10.5153, 23.6937, 2.2733



10.6049, 23.6937, 98.0359



# Rectangle

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



41.3170, 23.6937, 97.0034



51.1131, 23.6937, 20.5763



10.5153, 23.6937, 2.2733



7.2646, 23.6937, 31.8368

# Sweetspot

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



41.3180, 23.6945, 97.0035



73.7915, 68.0100, 103.8458



32.6290, 31.2122, 98.9126



15.2381, 13.7412, 22.0991



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.



41.3180, 23.6945, 97.0035



36.2754, 18.2120, 96.2111



59.6461, 33.4505, 83.9711



18.0506, 17.9178, 22.7571



16.4983, 7.4156, 49.9964



1.7297, 0.7856, 4.8737



# Inverse Universe

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



49.8434, 29.5294, 32.3507



46.4006, 25.0450, 23.8005



41.5066, 74.2206, 24.0188



18.3095, 18.1071, 20.2469



22.8629, 11.6345, 7.9287

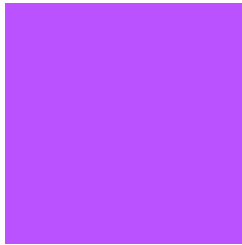


2.2782, 1.1537, 1.0466



# Previews

## White Background



This preview shows how the XYZ color 41.3170, 23.6937, 97.0034 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

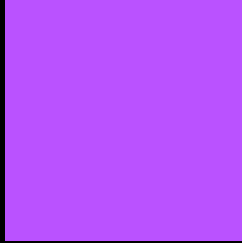
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 41.3170, 23.6937, 97.0034 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

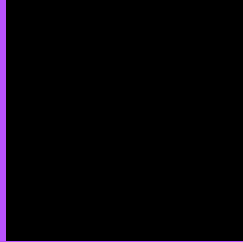
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 41.3170, 23.6937, 97.0034**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.3170, 23.6937, 97.0034.



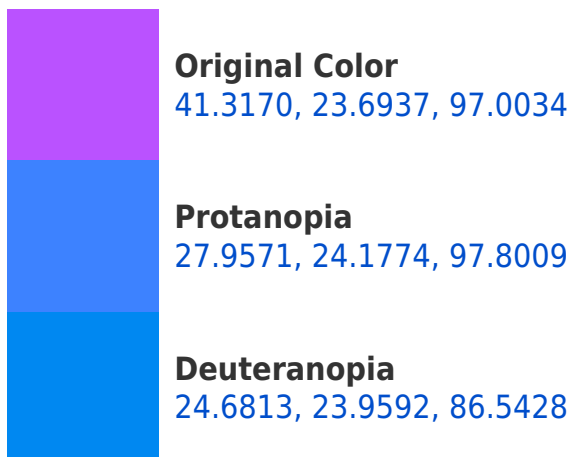
This preview shows how white text looks on a background with the XYZ color 41.3170, 23.6937,



# 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





## Tritanopia

26.5733, 23.5571, 24.6191

# Trichromacy



## Original Color

41.3170, 23.6937, 97.0034



## Protanomaly

29.8990, 22.0944, 97.2965



## Deuteranomaly

25.2638, 20.3735, 89.7897



## Tritanomaly

30.3277, 22.5342, 43.8254

# Monochromacy



## Original Color

41.3170, 23.6937, 97.0034



## Achromatopsia

22.2940, 23.4551, 25.5426



## Achromatomaly

26.9020, 21.8844, 44.4012

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.3170, 23.6937, 97.0034 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(186, 82, 255)` looks like.

```
.text, #text, p{  
    color:rgb(186, 82, 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(186, 82, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 82, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 41.3170, 23.6937, 97.0034 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(186, 82, 255) }
```



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

```
.border{ border-color:rgb(186, 82, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 82, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 82, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 82, 255);  
box-shadow:4px 4px 4px 4px rgb(186, 82,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.3170, 23.6937, 97.0034 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 82, 255) }
```

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

```
.background{ background-color: rgb(186, 82,  
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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