

Converting Colors

XYZ(45.3909, 37.0623, 96.2611)

Have a look what the booklet for
XYZ(45.3909, 37.0623, 96.2611)
contains.

XYZ(45.4581, 37.1435, 96.0403)	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(45.4581, 37.1435,
96.0403)**

Conversions

Conversions Part 1

Format	Color
Hex	AE94FB
RGB	174, 148, 251
RGB Percent	68%, 58%, 98%
CMY	0.3176, 0.4196, 0.0157
CMYK	0.31, 0.41, 0.00, 0.02
HSL	255°, 93%, 78%
HSV	255°, 41%, 98%
XYZ	45.4581, 37.1435, 96.0403
YIQ	167.5160, -17.5670, 37.5450

Conversions

Conversions Part 2

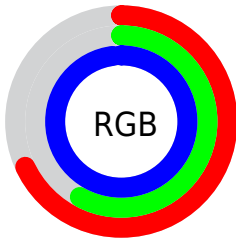
Format	Color
RYB	174, 148, 251
Decimal	11441403
CIELab	67.38, 31.60, -48.04
CIELCh	67, 57.500, 303.337
Yxy	37.1435, 0.2545, 0.2079
Android (android.graphics.Color)	4289631483 (0xFFAE94FB)
YUV	167.5160, 41.1576, 5.6865
Hunter-Lab	60.9455, 26.4853, -50.7697

Details

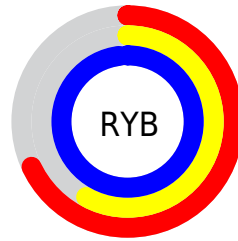
The XYZ color **45.4581, 37.1435, 96.0403** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **70.8943, 87.1406, 41.1015**, and the grayscale version is **36.7949, 38.7111, 42.1564**.

A 20% lighter version of the original color is **72.4492, 66.6169, 103.6476**, and **21.4835, 16.2960, 53.0521** is the 20% darker color. If you saturate the color by 10%, you get **38.0473, 28.0992, 94.6858**, and if you desaturate by 10%, it is **54.3092, 48.1987, 97.7083**.

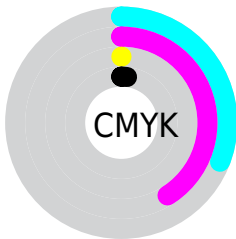
Distribution



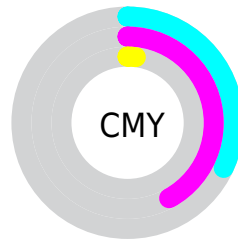
- Red (68%)
- Green (58%)
- Blue (98%)



- Red (68%)
- Yellow (58%)
- Blue (98%)



- Cyan (31%)
- Magenta (41%)
- Yellow (0%)
- Black (2%)




- Cyan (32%)
- Magenta (42%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.4581, 37.1435, 96.0403 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 45.4581, 37.1435, 96.0403 by changing the saturation by 10% instead.


 45.4581, 37.1435,
96.0403


 45.4581, 37.1435,
96.0403


359.3783,
333.9314, 568.5592

 32.0212, 25.3186,
72.3995


 82.6403, 70.7934,
157.7090

 21.5333, 16.3146,
52.9962


 107.1162, 93.3873,
196.5739

 13.6291, 9.7470,
37.4120


136.0026,
120.3396, 241.3505

 7.9431, 5.2316,
25.2284

169.6648,
152.0347, 292.4575

 4.1101, 2.3838,
16.0267

208.4681,
188.8570, 350.3133

 1.7646, 0.8175,
9.3885

252.7779,

 0.4962, 0.0000,

231.1910, 415.3365

4.8952

302.9595,
279.4210, 487.9456

■ 0.0000, 0.0000,
2.1282

■ 0.0000, 0.0000,
0.6325

■ 45.4581, 37.1435,
96.0403

■ 45.4581, 37.1435,
96.0403

■ 38.0473, 28.0992,
94.6858

■ 54.3092, 48.1987,
97.7083

■ 31.9928, 20.9378,
93.6227

■ 64.6697, 61.3737,
99.7053

■ 27.2080, 15.5226,
92.8296

■ 76.6094, 76.7744,
102.0487

■ 23.5935, 11.6964,
92.2816

■ 90.1922, 94.4987,
104.7539

■ 21.0332, 9.2718,
91.9485

94.4127, 99.7451,
105.5441

■ 19.4859, 8.0338,
91.7911

Harmonies

Analogous

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



36.2991, 37.1435, 110.8040



45.4581, 37.1435, 96.0403



52.7139, 37.1435, 66.3613

Triad

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



45.4581, 37.1435, 96.0403



43.4663, 37.1435, 10.7304



20.9463, 37.1435, 43.3335

Complementary

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



45.4581, 37.1435, 96.0403



70.8943, 87.1406, 41.1015

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.



22.2234, 37.1435, 22.3414



45.4581, 37.1435, 96.0403



34.3268, 37.1435, 8.7672

Square

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



45.4581, 37.1435, 96.0403



51.4361, 37.1435, 19.2072



26.7868, 37.1435, 11.9393



22.9556, 37.1435, 73.4018

Rectangle

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



45.4581, 37.1435, 96.0403



54.9492, 37.1435, 46.3392



26.7868, 37.1435, 11.9393



21.0069, 37.1435, 35.0694

Sweetspot

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



45.4595, 37.1449, 96.0412



78.1325, 77.9233, 105.5304



56.6192, 67.2477, 101.2634



16.3614, 16.2097, 22.5164



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.



45.4595, 37.1449, 96.0412



40.8569, 30.8373, 98.4065



59.1328, 44.1938, 96.6811



16.6936, 16.8547, 21.7587



10.3546, 4.2807, 48.2541



1.0521, 0.4445, 4.4735

Inverse Universe

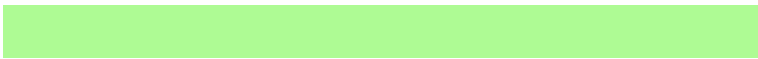
The Inverse Universe completely reimagines the original color for something new.



63.9649, 47.1263, 76.9590



62.6103, 42.5910, 75.0568



57.2434, 80.1033, 40.4626



17.7949, 17.4453, 20.7755



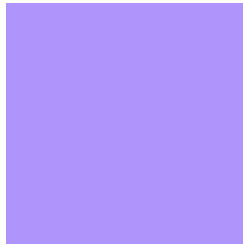
25.7244, 12.7055, 26.3210



2.4250, 1.1938, 2.6617

Previews

White Background



This preview shows how the XYZ color 45.4581, 37.1435, 96.0403 looks on a white background.

Color Contrast Check

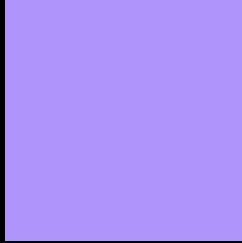
Large Text (above 18pt) WCAG AA × Fail

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 45.4581, 37.1435, 96.0403 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

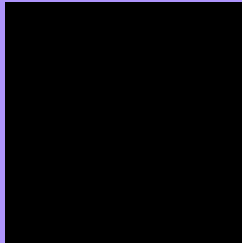
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.4581, 37.1435, 96.0403

Background



This preview shows how black text looks on a background with the XYZ color 45.4581, 37.1435, 96.0403.



This preview shows how white text looks on a background with the XYZ color 45.4581, 37.1435,

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

45.4581, 37.1435, 96.0403

Protanopia

39.8481, 37.3769, 99.7220

Deuteranopia

38.4979, 37.3317, 93.9836



Tritanopia

35.5093, 37.0962, 46.8837

Trichromacy



Original Color

45.4581, 37.1435, 96.0403

Protanomaly

41.4549, 36.9524, 98.7136

Deuteranomaly

40.6534, 37.1329, 94.6472

Tritanomaly

38.4358, 36.7059, 62.1859

Monochromacy



Original Color

45.4581, 37.1435, 96.0403

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

39.5155, 38.1130, 58.6999

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.4581, 37.1435, 96.0403 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(174, 148, 251)` looks like.

```
.text, #text, p{  
    color:rgb(174, 148, 251)  
}
```

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(174, 148, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 148, 251) }
```

Border

The CSS property to change the border of an element to XYZ 45.4581, 37.1435, 96.0403 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(174, 148, 251) }
```


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

```
.border{ border-color:rgb(174, 148, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 148, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 148, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 148, 251);  
box-shadow:4px 4px 4px 4px rgb(174, 148,  
251) }
```

Background

The CSS property to change the background color of an element to XYZ 45.4581, 37.1435, 96.0403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 148, 251) }
```

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

```
.background{ background-color: rgb(174,  
148, 251) }
```

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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