

Converting Colors

XYZ(46.7658, 37.0545, 99.2951)

Have a look what the booklet for
XYZ(46.7658, 37.0545, 99.2951)
contains.

XYZ(46.7658, 37.0545, 99.2951)	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(46.7658, 37.0545,
99.2951)**

Conversions

Conversions Part 1

Format	Color
Hex	B391FF
RGB	179, 145, 255
RGB Percent	70%, 57%, 100%
CMY	0.2980, 0.4314, 0.0000
CMYK	0.30, 0.43, 0.00, 0.00
HSL	259°, 100%, 78%
HSV	259°, 43%, 100%
XYZ	46.7658, 37.0545, 99.2951
YIQ	167.7060, -15.0460, 41.4180

Conversions

Conversions Part 2

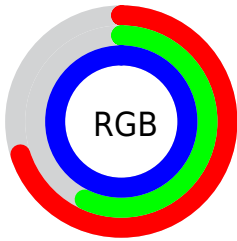
Format	Color
RYB	179, 145, 255
Decimal	11768319
CIELab	67.32, 35.60, -50.30
CIELCh	67, 61.621, 305.292
Yxy	37.0545, 0.2554, 0.2024
Android (android.graphics.Color)	4289958399 (0xFFB391FF)
YUV	167.7060, 43.0359, 9.9048
Hunter-Lab	60.8724, 30.6076, -54.1032

Details

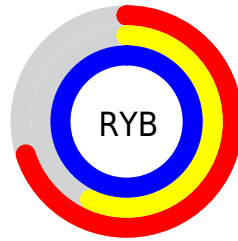
The XYZ color **46.7658, 37.0545, 99.2951** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **70.6897, 88.9365, 40.2300**, and the grayscale version is **36.8778, 38.7983, 42.2513**.

A 20% lighter version of the original color is **73.3985, 66.0714, 103.4923**, and **22.3641, 16.2936, 55.3923** is the 20% darker color. If you saturate the color by 10%, you get **39.4826, 28.1509, 97.9604**, and if you desaturate by 10%, it is **55.4461, 47.9777, 100.9460**.

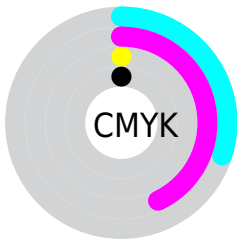
Distribution



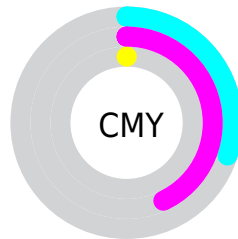
- Red (70%)
- Green (57%)
- Blue (100%)



- Red (70%)
- Yellow (57%)
- Blue (100%)



- Cyan (30%)
- Magenta (43%)
- Yellow (0%)
- Black (0%)





- Cyan (30%)
- Magenta (43%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.7658, 37.0545, 99.2951 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 46.7658, 37.0545, 99.2951 by changing the saturation by 10% instead.


 46.7658, 37.0545,
99.2951

 46.7658, 37.0545,
99.2951


364.5435,
333.5464, 579.1577

 33.0577, 25.2497,
75.0984

 84.5848, 70.6566,
162.2316

 22.3301, 16.2632,
55.1913


 109.4264, 93.2227,
201.8084

 14.2176, 9.7106,
39.1552


138.7100,
120.1446, 247.3490

 8.3549, 5.2075,
26.5718

172.8007,
151.8069, 299.2719

 4.3766, 2.3695,
17.0223

212.0641,
188.5938, 357.9957

 1.9173, 0.8101,
10.0882

256.8655,

 0.5869, 0.0000,

230.8897, 423.9389

5.3511

307.5701,
279.0791, 497.5201

■ 0.0000, 0.0000,
2.3924

■ 0.0000, 0.0000,
0.7823

■ 46.7658, 37.0545,
99.2951

■ 46.7658, 37.0545,
99.2951

■ 39.4826, 28.1509,
97.9604

■ 55.4461, 47.9777,
100.9460

■ 33.5141, 21.1344,
96.9207

■ 65.5921, 61.0334,
102.9313

■ 28.7740, 15.8624,
96.1529

■ 77.2718, 76.3309,
105.2684

■ 25.1632, 12.1696,
95.6305

■ 90.5482, 93.9705,
107.9735

■ 22.5643, 9.8565, 95.0500, 100.0000,
95.3210 108.9000

■ 21.2596, 8.8746,
95.2002

Harmonies

Analogous

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



36.9178, 37.0545, 117.2727



46.7658, 37.0545, 99.2951



54.3893, 37.0545, 66.1731

Triad

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



46.7658, 37.0545, 99.2951



43.3538, 37.0545, 9.1717



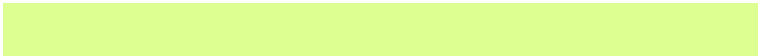
20.0758, 37.0545, 45.3264

Complementary

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



46.7658, 37.0545, 99.2951



70.6897, 88.9365, 40.2300

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.



21.1835, 37.0545, 22.3020



46.7658, 37.0545, 99.2951



33.5735, 37.0545, 7.5850

Square

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



46.7658, 37.0545, 99.2951



52.1859, 37.0545, 17.1692



25.7492, 37.0545, 11.0734



22.3973, 37.0545, 78.3910

Rectangle

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



46.7658, 37.0545, 99.2951



56.5532, 37.0545, 44.7598



25.7492, 37.0545, 11.0734



20.0647, 37.0545, 36.2324

Sweetspot

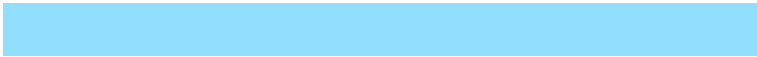
The Sweet Spot groups the original color and five complimentary colors.



46.7671, 37.0559, 99.2953



77.4416, 76.5549, 105.3027



55.8491, 65.4831, 104.3037



15.9939, 15.6193, 22.4218



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.



46.7671, 37.0559, 99.2953



40.2424, 29.0650, 98.0968



61.7803, 44.7955, 99.9980



17.5311, 17.6500, 22.7328



11.2420, 4.7060, 49.7504



1.2008, 0.5130, 4.8490

Inverse Universe

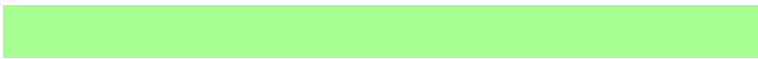
The Inverse Universe completely reimagines the original color for something new.



64.4170, 46.7322, 74.0314



60.3880, 40.1332, 68.1907



56.8079, 81.7802, 39.5804



18.5396, 18.1991, 21.4585



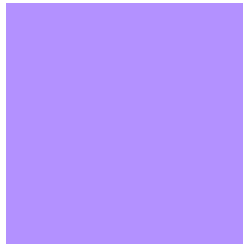
25.7228, 12.7784, 22.9886



2.5536, 1.2638, 2.4966

Previews

White Background



This preview shows how the XYZ color 46.7658, 37.0545, 99.2951 looks on a white background.

Color Contrast Check

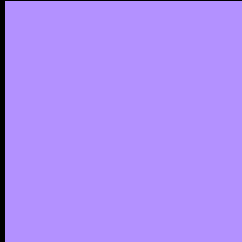
Large Text (above 18pt) WCAG AA × Fail

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 46.7658, 37.0545, 99.2951 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

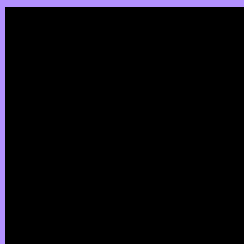
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.7658, 37.0545, 99.2951

Background



This preview shows how black text looks on a background with the XYZ color 46.7658, 37.0545, 99.2951.



This preview shows how white text looks on a background with the XYZ color 46.7658, 37.0545,

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

46.7658, 37.0545, 99.2951

Protanopia

39.8481, 37.3769, 99.7220

Deuteranopia

38.3949, 37.2244, 96.4282



Tritanopia

35.9393, 37.0761, 45.8196

Trichromacy



Original Color

46.7658, 37.0545, 99.2951

Protanomaly

41.8040, 36.8657, 99.5202

Deuteranomaly

40.6145, 36.5560, 97.0109

Tritanomaly

39.1497, 36.5716, 62.1223

Monochromacy



Original Color

46.7658, 37.0545, 99.2951

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

40.0094, 38.0824, 59.8855

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.7658, 37.0545, 99.2951 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(179, 145, 255)` looks like.

```
.text, #text, p{  
    color:rgb(179, 145, 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(179, 145, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 145, 255) }
```

Border

The CSS property to change the border of an element to XYZ 46.7658, 37.0545, 99.2951 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(179, 145, 255) }
```


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

```
.border{ border-color:rgb(179, 145, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 145, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 145, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 145, 255);  
box-shadow:4px 4px 4px 4px rgb(179, 145,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 46.7658, 37.0545, 99.2951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 145, 255) }
```

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

```
.background{ background-color: rgb(179,  
145, 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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