

Converting Colors

XYZ(46.9918, 29.9990, 93.9361)

Have a look what the booklet for
XYZ(46.9918, 29.9990, 93.9361)
contains.

XYZ(46.8701, 29.9741, 93.7577)	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(46.8701, 29.9741,
93.7577)**

Conversions

Conversions Part 1

Format	Color
Hex	CA6BFA
RGB	202, 107, 250
RGB Percent	79%, 42%, 98%
CMY	0.2078, 0.5804, 0.0196
CMYK	0.19, 0.57, 0.00, 0.02
HSL	280°, 93%, 70%
HSV	280°, 57%, 98%
XYZ	46.8701, 29.9741, 93.7577
YIQ	151.7070, 10.7170, 64.6130

Conversions

Conversions Part 2

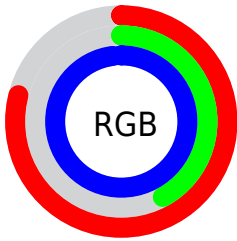
Format	Color
R _Y B	202, 107, 250
Decimal	13265914
CIE Lab	61.63, 60.40, -56.43
CIE LCh	62, 82.658, 316.950
Yxy	29.9741, 0.2747, 0.1757
Android (android.graphics.Color)	4291455994 (0xFFCA6BFA)
YUV	151.7070, 48.4584, 44.1070
Hunter-Lab	54.7486, 57.0032, -63.2109

Details

The XYZ color **46.8701, 29.9741, 93.7577** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **50.3578, 76.4020, 26.0040**, and the grayscale version is **29.5149, 31.0520, 33.8156**.

A 20% lighter version of the original color is **72.2103, 54.3207, 101.2868**, and **22.3552, 12.2355, 51.6355** is the 20% darker color. If you saturate the color by 10%, you get **42.4214, 24.3553, 92.9081**, and if you desaturate by 10%, it is **52.1979, 37.1654, 94.8655**.

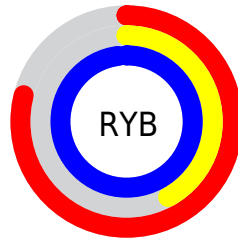
Distribution



Red (79%)

Green (42%)

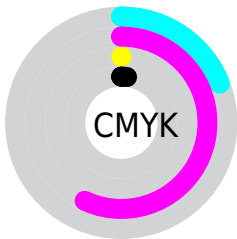
Blue (98%)



Red (79%)

Yellow (42%)

Blue (98%)

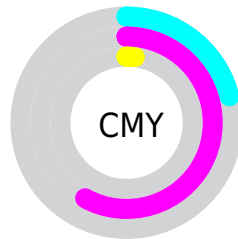


Cyan (19%)

Magenta (57%)

Yellow (0%)

Black (2%)



Cyan (21%)


Magenta (58%)


Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.8701, 29.9741, 93.7577 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 46.8701, 29.9741, 93.7577 by changing the saturation by 10% instead.


 46.8701, 29.9741,
93.7577


 46.8701, 29.9741,
93.7577


364.9534,
301.7837, 561.0626


 33.1405, 19.8189,
70.5103


 84.7396, 59.6212,
154.5280

 22.3938, 12.2635,
51.4633


 109.6102, 79.8820,
192.8879

 14.2648, 6.9234,
36.1981


 138.9252,
104.2800, 237.1224

 8.3880, 3.4142,
24.2964

 173.0500,
133.1998, 287.6500

 4.3981, 1.3516,
15.3394

212.3498,
167.0256, 344.8893

 1.9297, 0.1807,
8.9087

257.1901,

 0.5940, 0.0000,

206.1420, 409.2588

4.5856

307.9361,
250.9332, 481.1771

■ 0.0000, 0.0000,
1.9518

■ 0.0000, 0.0000,
0.5254

■ 46.8701, 29.9741,
93.7577

■ 46.8701, 29.9741,
93.7577

■ 42.4214, 24.3553,
92.9081

■ 52.1979, 37.1654,
94.8655

■ 38.7793, 20.1704,
92.2923

■ 58.4620, 46.0443,
96.2491

■ 35.8643, 17.2623,
91.8847

■ 65.7186, 56.7195,
97.9272

■ 33.5729, 15.4270,
91.6512

■ 74.0182, 69.2890,
99.9159

32.9992, 15.0184,
91.6025

83.4076, 83.8438,
102.2304

93.2877, 99.1833,
104.6705

94.2554, 99.6822,
104.7157

Harmonies

Analogous

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



35.0984, 29.9741, 131.3690



46.8701, 29.9741, 93.7577



54.4030, 29.9741, 48.2823

Triad

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



46.8701, 29.9741, 93.7577



33.5276, 29.9741, 2.0637



12.6902, 29.9741, 53.6282

Complementary

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



46.8701, 29.9741, 93.7577



50.3578, 76.4020, 26.0040

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.



12.4746, 29.9741, 20.7989



46.8701, 29.9741, 93.7577



22.7671, 29.9741, 2.2374

Square

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



46.8701, 29.9741, 93.7577



45.4686, 29.9741, 5.3921



15.6788, 29.9741, 6.3164



16.3709, 29.9741, 99.7608

Rectangle

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



46.8701, 29.9741, 93.7577



55.0058, 29.9741, 25.8536



15.6788, 29.9741, 6.3164



12.2509, 29.9741, 40.5132

Sweetspot

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



46.8713, 29.9753, 93.7584



77.5939, 72.7361, 104.5576



35.3852, 34.1601, 95.1715



16.2144, 14.9659, 22.2841



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.



46.8713, 29.9753, 93.7584



43.5991, 24.5470, 97.0479



58.7629, 36.4724, 77.7433



17.3940, 17.2157, 21.7915



17.6630, 8.0483, 48.5961



1.7486, 0.8035, 4.5061

Inverse Universe

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



50.5993, 33.2070, 34.7541



48.6350, 28.6973, 27.0621



44.1759, 73.0681, 32.3542



17.4849, 17.3213, 19.1434



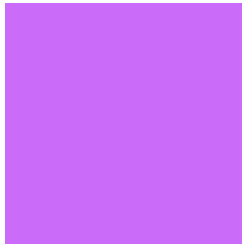
21.8186, 11.1432, 5.7533



2.0680, 1.0509, 0.7813

Previews

White Background



This preview shows how the XYZ color 46.8701, 29.9741, 93.7577 looks on a white background.

Color Contrast Check

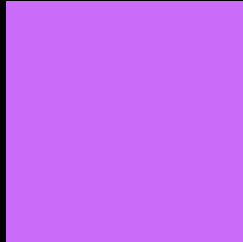
Large Text (above 18pt) WCAG AA ✓ Pass

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 46.8701, 29.9741, 93.7577 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

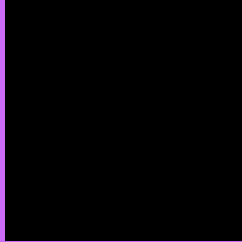
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 46.8701, 29.9741, 93.7577

Background



This preview shows how black text looks on a background with the XYZ color 46.8701, 29.9741, 93.7577.



This preview shows how white text looks on a background with the XYZ color 46.8701, 29.9741,

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

46.8701, 29.9741, 93.7577

Protanopia

33.5844, 30.4871, 98.7222

Deuteranopia

31.4476, 30.5507, 88.2438



Tritanopia

34.0245, 29.8114, 30.7489

Trichromacy



Original Color

46.8701, 29.9741, 93.7577



Protanomaly

36.2974, 28.9127, 96.5961



Deuteranomaly

34.6794, 28.6293, 90.0844



Tritanomaly

37.6191, 29.2926, 48.4710

Monochromacy



Original Color

46.8701, 29.9741, 93.7577



Achromatopsia

29.8446, 31.3989, 34.1934



Achromatomaly

34.4588, 29.7852, 51.5099

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.8701, 29.9741, 93.7577 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(202, 107, 250)` looks like.

```
.text, #text, p{  
    color:rgb(202, 107, 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(202, 107, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 107, 250) }
```

Border

The CSS property to change the border of an element to XYZ 46.8701, 29.9741, 93.7577 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(202, 107, 250) }
```


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

```
.border{ border-color:rgb(202, 107, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 107, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 107, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 107, 250);  
box-shadow:4px 4px 4px 4px rgb(202, 107,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 46.8701, 29.9741, 93.7577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 107, 250) }
```

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

```
.background{ background-color: rgb(202,  
107, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor