

Converting Colors

XYZ(46.3891, 35.0480, 92.5990)

Have a look what the booklet for
XYZ(46.3891, 35.0480, 92.5990)
contains.

XYZ(46.3317, 35.0151, 92.3123)	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(46.3317, 35.0151,
92.3123)**

Conversions

Conversions Part 1

Format	Color
Hex	BC88F7
RGB	188, 136, 247
RGB Percent	74%, 53%, 97%
CMY	0.2627, 0.4667, 0.0314
CMYK	0.24, 0.45, 0.00, 0.03
HSL	268°, 87%, 75%
HSV	268°, 45%, 97%
XYZ	46.3317, 35.0151, 92.3123
YIQ	164.2020, -4.6390, 45.5450

Conversions

Conversions Part 2

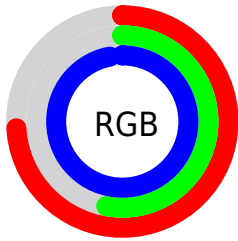
Format	Color
R _Y B	188, 136, 247
Decimal	12355831
CIE Lab	65.76, 41.09, -48.32
CIE LCh	66, 63.432, 310.374
Yxy	35.0151, 0.2668, 0.2016
Android (android.graphics.Color)	4290545911 (0xFFBC88F7)
YUV	164.2020, 40.8194, 20.8708
Hunter-Lab	59.1736, 36.2082, -51.0725

Details

The XYZ color **46.3317, 35.0151, 92.3123** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **60.2112, 79.9019, 35.5430**, and the grayscale version is **35.1973, 37.0302, 40.3259**.

A 20% lighter version of the original color is **74.4695, 63.6397, 102.9665**, and **22.0585, 15.1202, 50.4711** is the 20% darker color. If you saturate the color by 10%, you get **40.1572, 27.2501, 91.1395**, and if you desaturate by 10%, it is **53.6045, 44.5374, 93.7676**.

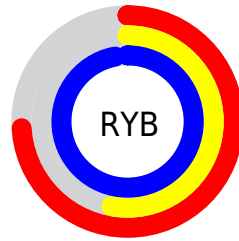
Distribution



Red (74%)

Green (53%)

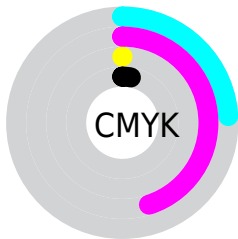
Blue (97%)



Red (74%)

Yellow (53%)

Blue (97%)

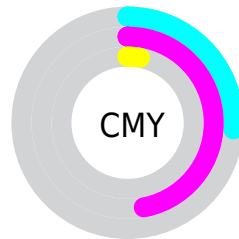


Cyan (24%)

Magenta (45%)

Yellow (0%)

Black (3%)



Cyan (26%)


Magenta (47%)


Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.3317, 35.0151, 92.3123 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 46.3317, 35.0151, 92.3123 by changing the saturation by 10% instead.


 46.3317, 35.0151,
92.3123

 46.3317, 35.0151,
92.3123


362.8342,
324.6350, 556.2873


 32.7134, 23.6745,
69.3156


 83.9400, 67.5092,
152.5096

 22.0651, 15.0923,
50.4954


 108.6607, 89.4314,
190.5473

 14.0216, 8.8842,
35.4333


 137.8130,
115.6497, 234.4357

 8.2175, 4.6657,
23.7106

171.7621,
146.5484, 284.5933

 4.2874, 2.0525,
14.9089

210.8734,
182.5118, 341.4387

 1.8660, 0.6377,
8.6095

255.5123,

 0.5570, 0.0000,

223.9245, 405.3905

4.3941

306.0441,
271.1707, 476.8672

■ 0.0000, 0.0000,
1.8439

■ 0.0000, 0.0000,
0.4567

■ 46.3317, 35.0151,
92.3123

■ 46.3317, 35.0151,
92.3123

■ 40.1572, 27.2501,
91.1395

■ 53.6045, 44.5374,
93.7676

■ 35.0134, 21.1225,
90.2279

■ 62.0297, 55.9178,
95.5202

■ 30.8306, 16.5038,
89.5569

■ 71.6622, 69.2541,
97.5866

■ 27.5269, 13.2427,
89.1015

■ 82.5520, 84.6358,
99.9817

■ 25.0033, 11.1546,
88.8315

■ 93.2924, 99.2396,
102.2344

■ 23.9531, 10.4089,
88.7429

■ 93.7886, 99.4954,
102.2576

Harmonies

Analogous

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



36.6227, 35.0151, 114.4655



46.3317, 35.0151, 92.3123



53.2394, 35.0151, 58.1570

Triad

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



46.3317, 35.0151, 92.3123



39.6892, 35.0151, 7.2921



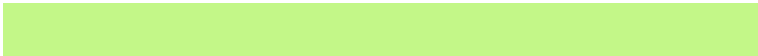
18.5488, 35.0151, 48.1641

Complementary

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



46.3317, 35.0151, 92.3123



60.2112, 79.9019, 35.5430

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.



19.0616, 35.0151, 23.3196



46.3317, 35.0151, 92.3123



30.1486, 35.0151, 6.6018

Square

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



46.3317, 35.0151, 92.3123



48.9348, 35.0151, 13.5603



22.9444, 35.0151, 10.8215



21.3815, 35.0151, 82.1260

Rectangle

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



46.3317, 35.0151, 92.3123



54.6797, 35.0151, 37.7909



22.9444, 35.0151, 10.8215



18.3508, 35.0151, 38.4620

Sweetspot

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



46.3330, 35.0165, 92.3131



79.1835, 77.4529, 105.3842



46.5029, 51.0708, 95.4029



16.4217, 15.8398, 22.4418



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.



46.3330, 35.0165, 92.3131



43.6926, 29.9344, 98.0828



62.6593, 43.4330, 93.0772



16.3193, 16.3073, 20.8301



12.8287, 5.5878, 46.9404



1.2451, 0.5517, 4.1311

Inverse Universe

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



57.0131, 41.3238, 56.6019



56.9843, 37.7918, 53.2882



48.4705, 73.8494, 34.9935



16.8673, 16.6298, 19.0477



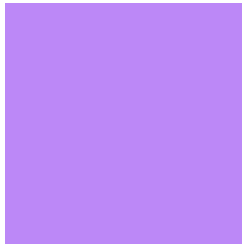
22.5356, 11.3577, 12.7947



2.0326, 1.0190, 1.3979

Previews

White Background



This preview shows how the XYZ color 46.3317, 35.0151, 92.3123 looks on a white background.

Color Contrast Check

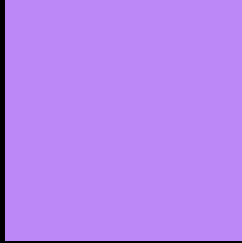
Large Text (above 18pt) WCAG AA × Fail

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 46.3317, 35.0151, 92.3123 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 46.3317, 35.0151, 92.3123

Background



This preview shows how black text looks on a background with the XYZ color 46.3317, 35.0151, 92.3123.



This preview shows how white text looks on a background with the XYZ color 46.3317, 35.0151,

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

46.3317, 35.0151, 92.3123

Protanopia

38.1330, 35.4715, 99.4446

Deuteranopia

36.3103, 35.2720, 88.8988



Tritanopia

35.8941, 34.8630, 40.9138

Trichromacy



Original Color

46.3317, 35.0151, 92.3123



Protanomaly

40.1722, 34.6342, 96.6632



Deuteranomaly

39.0728, 34.6846, 90.2234



Tritanomaly

38.8745, 34.3913, 56.2190

Monochromacy



Original Color

46.3317, 35.0151, 92.3123



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

38.5268, 35.8905, 55.9359

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.3317, 35.0151, 92.3123 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(188, 136, 247)` looks like.

```
.text, #text, p{  
    color:rgb(188, 136, 247)  
}
```

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(188, 136, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 136, 247) }
```

Border

The CSS property to change the border of an element to XYZ 46.3317, 35.0151, 92.3123 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(188, 136, 247) }
```


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

```
.border{ border-color:rgb(188, 136, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 136, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 136, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 136, 247);  
box-shadow:4px 4px 4px 4px rgb(188, 136,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 46.3317, 35.0151, 92.3123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 136, 247) }
```

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

```
.background{ background-color: rgb(188,  
136, 247) }
```

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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