

Converting Colors

XYZ(46.0750, 38.1585, 87.0712)

Have a look what the booklet for
XYZ(46.0750, 38.1585, 87.0712)
contains.

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Color

**XYZ(46.1630, 38.1712,
87.3728)**

Conversions

Conversions Part 1

Format	Color
Hex	B796F0
RGB	183, 150, 240
RGB Percent	72%, 59%, 94%
CMY	0.2823, 0.4118, 0.0588
CMYK	0.24, 0.37, 0.00, 0.06
HSL	262°, 75%, 76%
HSV	262°, 37%, 94%
XYZ	46.1630, 38.1712, 87.3728
YIQ	170.1270, -9.2220, 34.9860

Conversions

Conversions Part 2

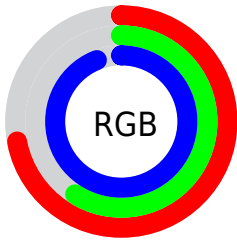
Format	Color
RYB	183, 150, 240
Decimal	12031728
CIELab	68.15, 30.33, -40.77
CIELCh	68, 50.814, 306.641
Yxy	38.1712, 0.2688, 0.2223
Android (android.graphics.Color)	4290221808 (0xFFB796F0)
YUV	170.1270, 34.4474, 11.2896
Hunter-Lab	61.7828, 25.2519, -40.5994

Details

The XYZ color **46.1630, 38.1712, 87.3728** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **62.3980, 77.7883, 40.5815**, and the grayscale version is **38.1099, 40.0946, 43.6630**.

A 20% lighter version of the original color is **75.5780, 68.9310, 103.9294**, and **22.0157, 16.9736, 47.4633** is the 20% darker color. If you saturate the color by 10%, you get **39.2962, 29.5171, 86.0650**, and if you desaturate by 10%, it is **54.2072, 48.5981, 88.9621**.

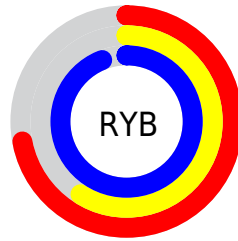
Distribution



Red (72%)

Green (59%)

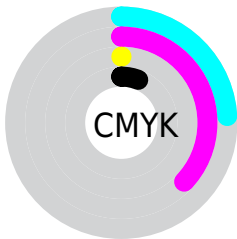
Blue (94%)



Red (72%)

Yellow (59%)

Blue (94%)

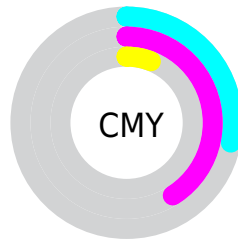


Cyan (24%)

Magenta (37%)

Yellow (0%)

Black (6%)



Cyan (28%)


Magenta (41%)


Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.1630, 38.1712, 87.3728 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 46.1630, 38.1712, 87.3728 by changing the saturation by 10% instead.


 46.1630, 38.1712,
87.3728

 46.1630, 38.1712,
87.3728


362.1685,
338.3538, 539.7951

 32.5796, 26.1156,
65.2424


 83.6893, 72.3705,
145.5871

 21.9623, 16.9101,
47.2050


 108.3629, 95.2829,
182.5080

 13.9457, 10.1704,
32.8423


137.4639,
122.5831, 225.1963

 8.1643, 5.5121,
21.7355

171.3578,
154.6554, 274.0703

 4.2530, 2.5508,
13.4662

210.4098,
191.8842, 329.5486

 1.8462, 0.9020,
7.6159

254.9854,

 0.5453, 0.0000,

234.6540, 392.0498

3.7659

305.4499,
283.3490, 461.9925

■ 0.0000, 0.0000,
1.4978

■ 0.0000, 0.0000,
0.2163

■ 46.1630, 38.1712,
87.3728

■ 46.1630, 38.1712,
87.3728

■ 39.2962, 29.5171,
86.0650

■ 54.2072, 48.5981,
88.9621

■ 33.5421, 22.5284,
85.0193

■ 63.4807, 60.8875,
90.8454

■ 28.8357, 17.0931,
84.2182

■ 74.0370, 75.1285,
93.0378

■ 25.1025, 13.0824,
83.6408

■ 85.9249, 91.4028,
95.5525

■ 22.2565, 10.3461,
83.2627

■ 92.7283, 99.0713,
96.6741

■ 20.1875, 8.6869,
83.0515

■ 19.7530, 8.3661,
83.0125

Harmonies

Analogous

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



38.0728, 38.1712, 101.7803



46.1630, 38.1712, 87.3728



52.1569, 38.1712, 61.3926

Triad

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



46.1630, 38.1712, 87.3728



42.6685, 38.1712, 12.9799



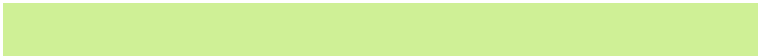
23.1443, 38.1712, 46.8198

Complementary

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



46.1630, 38.1712, 87.3728



62.3980, 77.7883, 40.5815

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.



24.0051, 38.1712, 26.5403



46.1630, 38.1712, 87.3728



34.5455, 38.1712, 11.5252

Square

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



46.1630, 38.1712, 87.3728



49.9427, 38.1712, 20.5675



27.9199, 38.1712, 15.4463



25.3692, 38.1712, 73.4520

Rectangle

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



46.1630, 38.1712, 87.3728



53.7311, 38.1712, 44.1734



27.9199, 38.1712, 15.4463



23.0880, 38.1712, 39.0555

Sweetspot

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



46.1644, 38.1727, 87.3737



80.5091, 80.1759, 105.8399



50.6198, 57.4021, 90.8505



16.8762, 16.6800, 22.5800



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.



46.1644, 38.1727, 87.3737



46.8332, 36.0341, 99.0946



58.6304, 44.5992, 87.9571



15.4446, 15.5109, 19.9015



10.9467, 4.6486, 45.4482



1.0165, 0.4413, 3.7858

Inverse Universe

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



58.1049, 44.8442, 64.6254



62.6552, 44.8896, 68.2625



51.5665, 72.2045, 40.0745



16.1941, 15.9273, 18.5782



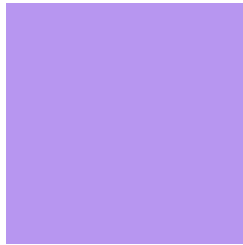
22.8401, 11.4085, 17.6063



1.9478, 0.9682, 1.7159

Previews

White Background



This preview shows how the XYZ color 46.1630, 38.1712, 87.3728 looks on a white background.

Color Contrast Check

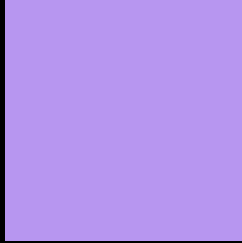
Large Text (above 18pt) WCAG AA × Fail

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 46.1630, 38.1712, 87.3728 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

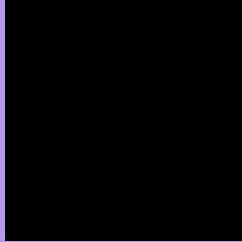
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.1630, 38.1712, 87.3728

Background



This preview shows how black text looks on a background with the XYZ color 46.1630, 38.1712, 87.3728.



This preview shows how white text looks on a background with the XYZ color 46.1630, 38.1712,

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

46.1630, 38.1712, 87.3728

Protanopia

40.6631, 38.3937, 96.5343

Deuteranopia

39.3887, 38.5137, 85.4786



Tritanopia

37.7283, 37.9869, 46.4180

Trichromacy



Original Color

46.1630, 38.1712, 87.3728

Protanomaly

42.1522, 37.9414, 93.0975

Deuteranomaly

41.5210, 38.2832, 86.0899

Tritanomaly

40.2149, 37.6912, 59.1884

Monochromacy



Original Color

46.1630, 38.1712, 87.3728

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

40.6267, 39.2485, 57.0642

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.1630, 38.1712, 87.3728 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(183, 150, 240)` looks like.

```
.text, #text, p{  
    color:rgb(183, 150, 240)  
}
```

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(183, 150, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 150, 240) }
```

Border

The CSS property to change the border of an element to XYZ 46.1630, 38.1712, 87.3728 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(183, 150, 240) }
```


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

```
.border{ border-color:rgb(183, 150, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 150, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 150, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 150, 240);  
box-shadow:4px 4px 4px 4px rgb(183, 150,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 46.1630, 38.1712, 87.3728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 150, 240) }
```

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

```
.background{ background-color: rgb(183,  
150, 240) }
```

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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