

Converting Colors

XYZ(36.7906, 22.4779, 69.3323)

Have a look what the booklet for
XYZ(36.7906, 22.4779, 69.3323)
contains.

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Color

**XYZ(36.8530, 22.4614,
69.4110)**

Conversions

Conversions Part 1

Format	Color
Hex	BC56DB
RGB	188, 86, 219
RGB Percent	74%, 34%, 86%
CMY	0.2627, 0.6627, 0.1412
CMYK	0.14, 0.61, 0.00, 0.14
HSL	286°, 65%, 60%
HSV	286°, 61%, 86%
XYZ	36.8530, 22.4614, 69.4110
YIQ	131.6600, 18.0990, 62.9870

Conversions

Conversions Part 2

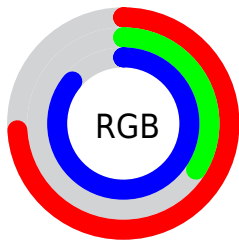
Format	Color
R _{YB}	188, 86, 219
Decimal	12343003
CIE Lab	54.51, 60.66, -50.55
CIE LCh	55, 78.966, 320.193
Yxy	22.4614, 0.2863, 0.1745
Android (android.graphics.Color)	4290533083 (0xFFBC56DB)
YUV	131.6600, 43.0586, 49.4102
Hunter-Lab	47.3935, 55.8625, -53.6589

Details

The XYZ color **36.8530, 22.4614, 69.4110** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted purple. A complement of this color would be **34.3480, 55.1174, 17.6333**, and the grayscale version is **21.6564, 22.7842, 24.8120**.

A 20% lighter version of the original color is **65.9326, 46.0439, 100.0201**, and **16.3629, 8.2535, 35.3810** is the 20% darker color. If you saturate the color by 10%, you get **34.1296, 18.8477, 68.8574**, and if you desaturate by 10%, it is **40.1582, 27.1708, 70.1462**.

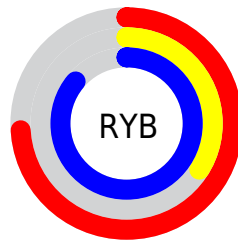
Distribution



Red (74%)

Green (34%)

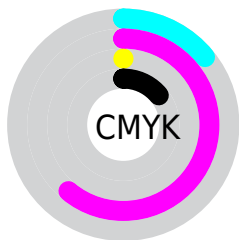
Blue (86%)



Red (74%)

Yellow (34%)

Blue (86%)

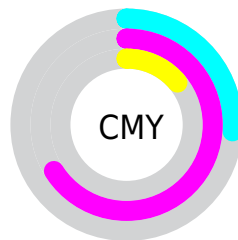


Cyan (14%)

Magenta (61%)

Yellow (0%)

Black (14%)



Cyan (26%)

Magenta (66%)

Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.8530, 22.4614, 69.4110 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 36.8530, 22.4614, 69.4110 by changing the saturation by 10% instead.

36.8530, 22.4614,
69.4110

36.8530, 22.4614,
69.4110

324.0402,
264.9464, 477.2123

25.2668, 14.1963,
50.5727

69.6619, 47.5074,
120.0416

16.4058, 8.2573,
35.4943

91.6154, 65.0571,
152.6710

9.9044, 4.2601,
23.7573

117.7554, 86.4705,
190.7345

5.3974, 1.8201,
14.9431

148.4473,
112.1320, 234.6506

2.5194, 0.4996,
8.6333

184.0563,
142.4259, 284.8379

0.9051, 0.0000,
4.4093

224.9479,

0.0000, 0.0000,

177.7367, 341.7150

1.8524

271.4875,
218.4488, 405.7003

■ 0.0000, 0.0000,
0.4622

■ 0.0000, 0.0000,
0.0000

■ 36.8530, 22.4614,
69.4110

■ 36.8530, 22.4614,
69.4110

■ 34.1296, 18.8477,
68.8574

■ 40.1582, 27.1708,
70.1462

■ 31.9341, 16.2255,
68.4670

■ 44.0872, 33.0621,
71.0762

■ 30.2066, 14.4744,
68.2200

■ 48.6811, 40.2159,
72.2149

■ 28.9254, 13.4345,
68.0868

■ 53.9765, 48.7047,
73.5743

60.0074, 58.5957,
75.1656

66.8052, 69.9514,
76.9992

74.3997, 82.8305,
79.0849

80.8075, 93.2658,
80.7613

82.4588, 94.1171,
80.8386

Harmonies

Analogous

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



27.6234, 22.4614, 101.9892



36.8530, 22.4614, 69.4110



42.3019, 22.4614, 33.5047

Triad

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



36.8530, 22.4614, 69.4110



24.3104, 22.4614, 1.1407



9.2303, 22.4614, 44.8708

Complementary

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



36.8530, 22.4614, 69.4110



34.3480, 55.1174, 17.6333

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.



8.7916, 22.4614, 17.2045



36.8530, 22.4614, 69.4110



16.1047, 22.4614, 1.4552

Square

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



36.8530, 22.4614, 69.4110



33.8720, 22.4614, 3.0760



10.9475, 22.4614, 4.8755



12.3696, 22.4614, 82.3717

Rectangle

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



36.8530, 22.4614, 69.4110



42.2711, 22.4614, 16.9553



10.9475, 22.4614, 4.8755



8.8024, 22.4614, 33.8968

Sweetspot

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



36.8539, 22.4623, 69.4115



78.2880, 72.1571, 104.4092



22.9899, 19.8242, 69.6330



16.2479, 14.6168, 22.2149



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.



36.8539, 22.4623, 69.4115



47.2087, 25.3973, 97.0217



41.1447, 25.1576, 47.7795



13.3023, 13.1139, 16.4823



17.2520, 8.0179, 40.3767



1.1912, 0.5573, 2.6192

Inverse Universe

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



35.7527, 23.0008, 19.3856



46.2968, 26.6730, 18.1069



32.6499, 54.0340, 26.9493



13.1798, 13.1010, 14.2079



17.7123, 9.0860, 2.8650



1.1809, 0.6020, 0.3615

Previews

White Background



This preview shows how the XYZ color 36.8530, 22.4614, 69.4110 looks on a white background.

Color Contrast Check

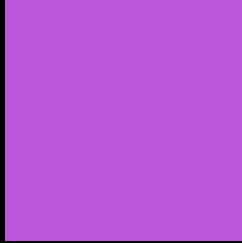
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.8530, 22.4614, 69.4110 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

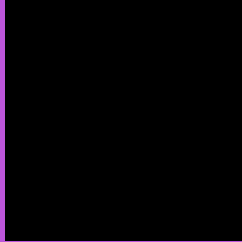
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 36.8530, 22.4614, 69.4110

Background



This preview shows how black text looks on a background with the XYZ color 36.8530, 22.4614, 69.4110.



This preview shows how white text looks on a background with the XYZ color 36.8530, 22.4614,

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

36.8530, 22.4614, 69.4110

Protanopia

26.9791, 22.8986, 97.6057

Deuteranopia

23.4415, 22.7747, 64.7885



Tritanopia

26.9857, 22.4384, 21.3211

Trichromacy



Original Color

36.8530, 22.4614, 69.4110



Protanomaly

27.1909, 20.6045, 86.5483



Deuteranomaly

26.1535, 21.1815, 66.3283



Tritanomaly

29.6265, 21.9187, 34.5675

Monochromacy



Original Color

36.8530, 22.4614, 69.4110



Achromatopsia

21.9318, 23.0740, 25.1276



Achromatomaly

25.7805, 21.6172, 37.9357

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8530, 22.4614, 69.4110 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, 86, 219)` looks like.

```
.text, #text, p{  
    color:rgb(188, 86, 219)  
}
```

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, 86, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 86, 219) }
```

Border

The CSS property to change the border of an element to XYZ 36.8530, 22.4614, 69.4110 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, 86, 219) }
```


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

```
.border{ border-color:rgb(188, 86, 219) }
```

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

Here you see how a box with a 4 pixel rgb(188, 86, 219) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 86, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 86, 219);  
box-shadow:4px 4px 4px 4px rgb(188, 86,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8530, 22.4614, 69.4110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 86, 219) }
```

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

```
.background{ background-color: rgb(188, 86,  
219) }
```

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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