

Converting Colors

XYZ(41.9583, 36.1129, 67.8489)

Have a look what the booklet for
XYZ(41.9583, 36.1129, 67.8489)
contains.

XYZ(42.0491, 36.2441, 67.7304)	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(42.0491, 36.2441,
67.7304)**

Conversions

Conversions Part 1

Format	Color
Hex	B695D5
RGB	182, 149, 213
RGB Percent	71%, 58%, 84%
CMY	0.2863, 0.4157, 0.1647
CMYK	0.15, 0.30, 0.00, 0.16
HSL	271°, 43%, 71%
HSV	271°, 30%, 84%
XYZ	42.0491, 36.2441, 67.7304
YIQ	166.1630, -0.8760, 26.9000

Conversions

Conversions Part 2

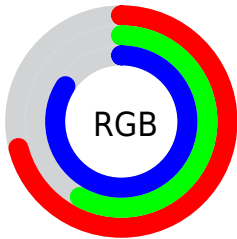
Format	Color
R _Y B	182, 149, 213
Decimal	11965909
CIE Lab	66.71, 24.49, -28.13
CIE LCh	67, 37.301, 311.047
Yxy	36.2441, 0.2880, 0.2482
Android (android.graphics.Color)	4290155989 (0xFFB695D5)
YUV	166.1630, 23.0906, 13.8890
Hunter-Lab	60.2031, 19.3187, -24.5610

Details

The XYZ color **42.0491, 36.2441, 67.7304** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **48.0427, 59.4627, 37.3807**, and the grayscale version is **36.2175, 38.1036, 41.4949**.

A 20% lighter version of the original color is **75.0025, 68.2826, 103.8345**, and **19.4413, 15.7932, 34.3715** is the 20% darker color. If you saturate the color by 10%, you get **36.6351, 28.9003, 66.5988**, and if you desaturate by 10%, it is **48.2613, 44.9159, 69.0774**.

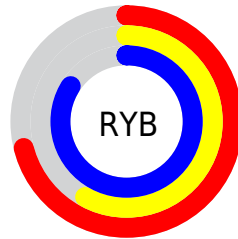
Distribution



Red (71%)

Green (58%)

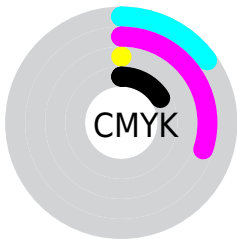
Blue (84%)



Red (71%)

Yellow (58%)

Blue (84%)

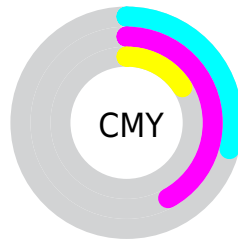


Cyan (15%)

Magenta (30%)

Yellow (0%)

Black (16%)



Cyan (29%)

Magenta (42%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.0491, 36.2441, 67.7304 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 42.0491, 36.2441, 67.7304 by changing the saturation by 10% instead.

■ 42.0491, 36.2441,
67.7304

■ 42.0491, 36.2441,
67.7304

345.6746,
330.0262, 471.1123

■ 29.3310, 24.6228,
49.2131

■ 77.5386, 69.4087,
117.6169

■ 19.4769, 15.7962,
34.4218

■ 101.0408, 91.7207,
149.8233

■ 12.1214, 9.3801,
22.9378

128.8683,
118.3651, 187.4297

■ 6.8992, 4.9899,
14.3427

161.3867,
149.7262, 230.8548

■ 3.4449, 2.2413,
8.2180

198.9611,
186.1885, 280.5171

■ 1.3932, 0.7424,
4.1450

241.9570,

■ 0.2514, 0.0000,

228.1363, 336.8350

1.7052

290.7397,
275.9541, 400.2273

■ 0.0000, 0.0000,
0.3643

■ 0.0000, 0.0000,
0.0000

■ 42.0491, 36.2441,
67.7304

■ 42.0491, 36.2441,
67.7304

■ 36.6351, 28.9003,
66.5988

■ 48.2613, 44.9159,
69.0774

■ 31.9782, 22.8109,
65.6689

■ 55.3030, 54.9754,
70.6479

■ 28.0388, 17.9016,
64.9289

■ 63.2078, 66.4837,
72.4526

■ 24.7718, 14.0881,
64.3651

■ 72.0065, 79.4973,
74.5008

■ 22.1260, 11.2747,
63.9615

■ 81.5672, 93.7470,
76.7473

■ 20.0416, 9.3480,
63.6994

■ 85.0460, 95.5405,
76.9101

■ 18.4193, 8.1081,
63.5456

■ 88.7253, 97.4372,
77.0823

■ 89.0104, 97.5841,
77.0957

Harmonies

Analogous

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



36.5628, 36.2441, 78.3306



42.0491, 36.2441, 67.7304



45.7218, 36.2441, 50.4009

Triad

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



42.0491, 36.2441, 67.7304



38.0818, 36.2441, 16.8222



24.8883, 36.2441, 45.7004

Complementary

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



42.0491, 36.2441, 67.7304



48.0427, 59.4627, 37.3807

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.



25.2003, 36.2441, 30.2355



42.0491, 36.2441, 67.7304



32.4181, 36.2441, 16.2041

Square

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



42.0491, 36.2441, 67.7304



43.2647, 36.2441, 22.4201



27.8246, 36.2441, 20.4123



26.9203, 36.2441, 63.4941

Rectangle

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



42.0491, 36.2441, 67.7304



46.4312, 36.2441, 38.9004



27.8246, 36.2441, 20.4123



24.7288, 36.2441, 40.0324

Sweetspot

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



42.0503, 36.2456, 67.7312



84.1885, 84.1736, 106.4177



40.9299, 44.2428, 69.3339



17.6658, 17.5057, 22.6978



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.



42.0503, 36.2456, 67.7312



57.9133, 47.2656, 100.6785



50.1993, 40.4466, 68.1126



12.3472, 12.3204, 15.6648



11.3697, 5.0138, 38.8217



0.7812, 0.3516, 2.3460

Inverse Universe

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



46.4274, 38.9378, 48.2503



65.7169, 52.0631, 66.0450



41.6148, 56.1489, 37.0799



12.6714, 12.5200, 14.2096



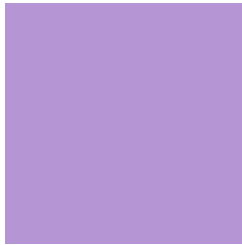
18.3139, 9.2619, 8.9569



1.1463, 0.5753, 0.7600

Previews

White Background



This preview shows how the XYZ color 42.0491, 36.2441, 67.7304 looks on a white background.

Color Contrast Check

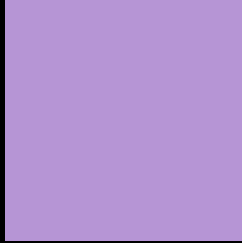
Large Text (above 18pt) WCAG AA × Fail

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 42.0491, 36.2441, 67.7304 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

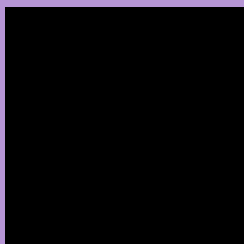
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.0491, 36.2441, 67.7304

Background



This preview shows how black text looks on a background with the XYZ color 42.0491, 36.2441, 67.7304.



This preview shows how white text looks on a background with the XYZ color 42.0491, 36.2441,

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

42.0491, 36.2441, 67.7304

Protanopia

37.2990, 36.3818, 73.4631

Deuteranopia

37.2776, 36.5202, 66.7124



Tritanopia

36.9919, 36.1302, 43.0544

Trichromacy



Original Color

42.0491, 36.2441, 67.7304

Protanomaly

38.6439, 36.1080, 71.2625

Deuteranomaly

38.8764, 36.3169, 67.2482

Tritanomaly

38.7786, 36.1214, 51.3826

Monochromacy



Original Color

42.0491, 36.2441, 67.7304

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

38.1313, 37.3312, 49.9956

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.0491, 36.2441, 67.7304 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(182, 149, 213)` looks like.

```
.text, #text, p{  
    color:rgb(182, 149, 213)  
}
```

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(182, 149, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 149, 213) }
```

Border

The CSS property to change the border of an element to XYZ 42.0491, 36.2441, 67.7304 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(182, 149, 213) }
```


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

```
.border{ border-color:rgb(182, 149, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 149, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 149, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 149, 213);  
box-shadow:4px 4px 4px 4px rgb(182, 149,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 42.0491, 36.2441, 67.7304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 149, 213) }
```

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

```
.background{ background-color: rgb(182,  
149, 213) }
```

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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