

# Converting Colors

XYZ(42.1265, 36.1812, 51.2790)

Have a look what the booklet for  
XYZ(42.1265, 36.1812, 51.2790)  
contains.

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# Color

**XYZ(42.0616, 36.1484,  
51.2148)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C493BA
RGB	196, 147, 186
RGB Percent	77%, 58%, 73%
CMY	0.2314, 0.4235, 0.2706
CMYK	0.00, 0.25, 0.05, 0.23
HSL	312°, 29%, 67%
HSV	312°, 25%, 77%
XYZ	42.0616, 36.1484, 51.2148
YIQ	166.0970, 16.6850, 22.5170

# Conversions

## Conversions Part 2

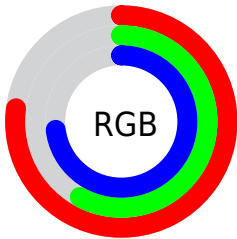
Format	Color
R <sub>Y</sub> B	196, 147, 186
Decimal	12882874
CIE Lab	66.63, 24.85, -13.07
CIE LCh	67, 28.074, 332.256
Yxy	36.1484, 0.3250, 0.2793
Android (android.graphics.Color)	4291072954 (0xFFC493BA)
YUV	166.0970, 9.8122, 26.2249
Hunter-Lab	60.1235, 19.6599, -8.4183

# Details

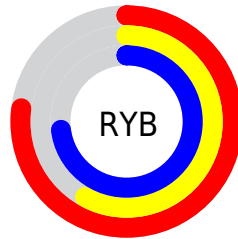
The XYZ color **42.0616, 36.1484, 51.2148** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **37.8598, 48.1183, 39.1928**, and the grayscale version is **36.2417, 38.1291, 41.5226**.

A 20% lighter version of the original color is **77.4217, 69.0667, 93.2551**, and **19.5718, 15.8100, 24.2104** is the 20% darker color. If you saturate the color by 10%, you get **38.8505, 30.3968, 48.0758**, and if you desaturate by 10%, it is **45.8060, 42.9465, 54.5912**.

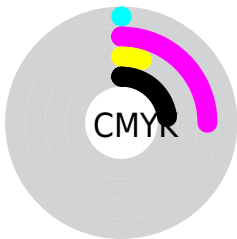
# Distribution



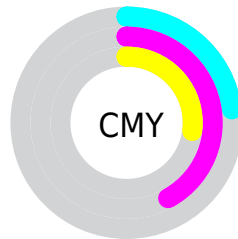
- Red (77%)
- Green (58%)
- Blue (73%)



- Red (77%)
- Yellow (58%)
- Blue (73%)



- Cyan (0%)
- Magenta (25%)
- Yellow (5%)
- Black (23%)



- Cyan (23%)
- Magenta (42%)
- Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.0616, 36.1484, 51.2148 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 42.0616, 36.1484, 51.2148 by changing the saturation by 10% instead.



■ 42.0616, 36.1484,  
51.2148

■ 42.0616, 36.1484,  
51.2148

345.7255,  
329.6087, 408.2681

■ 29.3408, 24.5488,  
36.0017

■ 77.5574, 69.2611,  
93.3870

■ 19.4844, 15.7412,  
24.1458

■ 101.0632, 91.5429,  
121.1831

■ 12.1269, 9.3412,  
15.2286

128.8947,  
118.1544, 154.0106

■ 6.9030, 4.9644,  
8.8316

161.4173,  
149.4797, 192.2880

■ 3.4473, 2.2264,  
4.5362

198.9963,  
185.9035, 236.4340

■ 1.3945, 0.7343,  
1.9239

241.9971,

■ 0.2523, 0.0000,

227.8100, 286.8669

0.5079

290.7851,  
275.5836, 344.0055

■ 0.0000, 0.0000,  
0.0000

■ 42.0616, 36.1484,  
51.2148

■ 42.0616, 36.1484,  
51.2148

■ 38.8505, 30.3968,  
48.0758

■ 45.8060, 42.9465,  
54.5912

■ 36.1431, 25.6342,  
45.1625

■ 50.1051, 50.8352,  
58.2113

■ 33.9117, 21.8049,  
42.4657

■ 54.9829, 59.8620,  
62.0839

■ 32.1247, 18.8459,  
39.9743

■ 60.4610, 70.0700,  
66.2168

■ 30.7465, 16.6860,  
37.6761

■ 66.5601, 81.5002,  
70.6173

■ 29.7360, 15.2432,  
35.5567

■ 70.1585, 87.9092,  
74.2453

■ 29.0430, 14.4173,  
33.5990

■ 70.6633, 88.1111,  
76.9035

■ 28.7657, 14.1361,  
32.6637

■ 71.1806, 88.3181,  
79.6279

■ 71.7106, 88.5301,  
82.4188

# Harmonies

## Analogous

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



38.8790, 36.1484, 62.4971



42.0616, 36.1484, 51.2148



43.1322, 36.1484, 38.4505

# Triad

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



42.0616, 36.1484, 51.2148



34.0391, 36.1484, 20.3873



27.9353, 36.1484, 53.1293

# Complementary

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



42.0616, 36.1484, 51.2148



37.8598, 48.1183, 39.1928

# 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.



26.8625, 36.1484, 40.2827



42.0616, 36.1484, 51.2148



30.2018, 36.1484, 22.7796

# Square

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



42.0616, 36.1484, 51.2148



38.2804, 36.1484, 22.1493



27.6575, 36.1484, 29.4913



30.7130, 36.1484, 63.7523



# Rectangle

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



42.0616, 36.1484, 51.2148



42.4389, 36.1484, 31.1882



27.6575, 36.1484, 29.4913



27.3741, 36.1484, 48.8462

# Sweetspot

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



42.0627, 36.1500, 51.2156



89.0365, 88.9028, 104.0292



34.2648, 32.0029, 56.5964



18.9518, 18.8345, 22.1789



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.



42.0627, 36.1500, 51.2156



72.8972, 59.5550, 89.6141



39.6949, 35.2029, 38.7471



10.4064, 10.2112, 12.2304



18.5147, 9.0956, 21.1540



0.8228, 0.4021, 1.0342



# Inverse Universe

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



42.0627, 36.1500, 51.2156



72.8972, 59.5550, 89.6141



40.1452, 49.0324, 51.2271



10.4064, 10.2112, 12.2304



18.5147, 9.0956, 21.1540

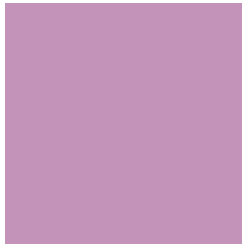


0.8228, 0.4021, 1.0342



# Previews

## White Background



This preview shows how the XYZ color 42.0616, 36.1484, 51.2148 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

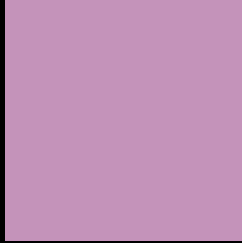
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 42.0616, 36.1484, 51.2148 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

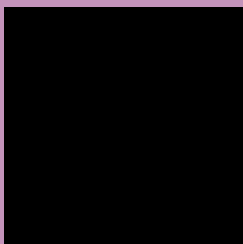
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 42.0616, 36.1484, 51.2148**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.0616, 36.1484, 51.2148.



This preview shows how white text looks on a background with the XYZ color 42.0616, 36.1484,



# 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

42.0616, 36.1484, 51.2148

### Protanopia

36.1128, 36.3984, 56.7520

### Deuteranopia

37.0270, 36.2392, 50.3907



## Tritanopia

39.6698, 36.1150, 39.5304

# Trichromacy



**Original Color**

42.0616, 36.1484, 51.2148

**Protanomaly**

37.9805, 36.1288, 54.8409

**Deuteranomaly**

38.6727, 36.0790, 50.8246

**Tritanomaly**

40.5052, 36.2223, 43.3848

# Monochromacy



**Original Color**

42.0616, 36.1484, 51.2148

**Achromatopsia**

36.2450, 38.1326, 41.5264

**Achromatomaly**

38.0724, 37.1605, 44.7012

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.0616, 36.1484, 51.2148 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(196, 147, 186)` looks like.

```
.text, #text, p{  
    color:rgb(196, 147, 186)  
}
```

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(196, 147, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 147, 186) }
```

## Border

The CSS property to change the border of an element to XYZ 42.0616, 36.1484, 51.2148 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(196, 147, 186) }
```



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

```
.border{ border-color:rgb(196, 147, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 147, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 147, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 147, 186);  
box-shadow:4px 4px 4px 4px rgb(196, 147,  
186) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.0616, 36.1484, 51.2148 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 147, 186) }
```

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

```
.background{ background-color: rgb(196,  
147, 186) }
```

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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