

# Converting Colors

XYZ(36.2282, 25.1502, 43.6109)

Have a look what the booklet for  
XYZ(36.2282, 25.1502, 43.6109)  
contains.

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# Color

**XYZ(36.2414, 25.1379,  
43.4994)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C768AF
RGB	199, 104, 175
RGB Percent	78%, 41%, 69%
CMY	0.2196, 0.5921, 0.3137
CMYK	0.00, 0.48, 0.12, 0.22
HSL	315°, 46%, 59%
HSV	315°, 48%, 78%
XYZ	36.2414, 25.1379, 43.4994
YIQ	140.4990, 33.8290, 42.2210

# Conversions

## Conversions Part 2

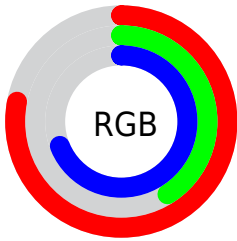
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	199, 104, 175
Decimal	13068463
CIE <sub>Lab</sub>	57.21, 47.01, -21.08
CIE <sub>LCh</sub>	57, 51.521, 335.852
Yxy	25.1379, 0.3456, 0.2397
Android (android.graphics.Color)	4291258543 (0xFFC768AF)
YUV	140.4990, 17.0090, 51.3054
Hunter-Lab	50.1377, 41.2854, -16.3435

# Details

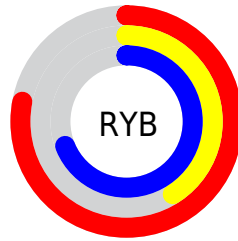
The XYZ color **36.2414, 25.1379, 43.4994** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **30.0298, 45.3493, 27.5945**, and the grayscale version is **25.0488, 26.3533, 28.6988**.

A 20% lighter version of the original color is **67.8907, 51.4832, 81.9603**, and **16.0244, 9.6124, 19.4232** is the 20% darker color. If you saturate the color by 10%, you get **33.9851, 21.4005, 40.3563**, and if you desaturate by 10%, it is **38.9903, 29.8302, 46.8979**.

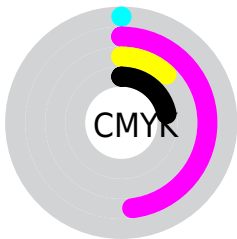
# Distribution



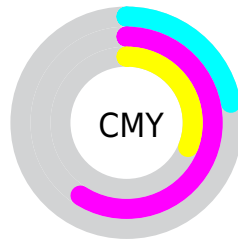
- Red (78%)
- Green (41%)
- Blue (69%)



- Red (78%)
- Yellow (41%)
- Blue (69%)



- Cyan (0%)
- Magenta (48%)
- Yellow (12%)
- Black (22%)




- Cyan (22%)
- Magenta (59%)
- Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 36.2414, 25.1379, 43.4994 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 36.2414, 25.1379, 43.4994 by changing the saturation by 10% instead.




 36.2414, 25.1379,  
43.4994


 36.2414, 25.1379,  
43.4994

321.4273,  
278.5240, 376.6429


 24.7917, 16.1798,  
29.9428


 68.7259, 51.8808,  
81.7584

 16.0498, 9.6515,  
19.5435


 90.4914, 70.4345,  
107.2978

 9.6505, 5.1685,  
11.8829


 116.4263, 92.9555,  
137.6687

 5.2283, 2.3465,  
6.5424

 146.8957,  
119.8282, 173.2895

 2.4180, 0.7981,  
3.1035

182.2652,  
151.4370, 214.5788

 0.8541, 0.0000,  
1.1477

222.9001,

 0.0000, 0.0000,

188.1663, 261.9551

0.0000

269.1656,  
230.4005, 315.8370

■ 36.2414, 25.1379,  
43.4994

■ 36.2414, 25.1379,  
43.4994

■ 33.9851, 21.4005,  
40.3563

■ 38.9903, 29.8302,  
46.8979

■ 32.1850, 18.5468,  
37.4547

■ 42.2601, 35.5350,  
50.5615

■ 30.8035, 16.5016,  
34.7815


■ 46.0797, 42.3092,  
54.5010


■ 29.7956, 15.1752,  
32.3206

■ 50.4750, 50.2047,  
58.7260


■ 29.0963, 14.4376,  
30.0492


■ 55.4706, 59.2700,  
63.2455

 28.9562, 14.3034,  
29.5531

 61.0892, 69.5505,  
68.0680

 67.3527, 81.0895,  
73.2018

 71.6078, 88.5800,  
77.7632

 72.2648, 88.8428,  
81.2233

# Harmonies

## Analogous

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



31.4233, 25.1379, 64.5155



36.2414, 25.1379, 43.4994



37.5278, 25.1379, 24.0941

# Triad

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



36.2414, 25.1379, 43.4994



22.7195, 25.1379, 5.7353



15.6072, 25.1379, 52.0674

# Complementary

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



36.2414, 25.1379, 43.4994



30.0298, 45.3493, 27.5945

# 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.



14.0395, 25.1379, 30.9320



36.2414, 25.1379, 43.4994



17.6732, 25.1379, 8.2013

# Square

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



36.2414, 25.1379, 43.4994



29.0074, 25.1379, 6.7645



14.7261, 25.1379, 15.8216



19.4178, 25.1379, 70.7586



# Rectangle

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



36.2414, 25.1379, 43.4994



36.0477, 25.1379, 15.2033



14.7261, 25.1379, 15.8216



14.8328, 25.1379, 44.7405

# Sweetspot

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



36.2422, 25.1391, 43.4999



83.2814, 78.7323, 97.9806



24.1249, 18.5954, 56.3512



17.4774, 16.2283, 20.6313



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.



36.2422, 25.1391, 43.4999



59.4695, 37.4130, 70.6075



32.3844, 23.5960, 23.1849



10.9642, 10.7691, 12.7947



18.6561, 9.2120, 19.1968



0.9113, 0.4474, 1.0560



# Inverse Universe

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



36.2422, 25.1391, 43.4999



59.4695, 37.4130, 70.6075



33.8958, 46.8957, 47.9526



10.9642, 10.7691, 12.7947



18.6561, 9.2120, 19.1968



0.9113, 0.4474, 1.0560



# Previews

## White Background



This preview shows how the XYZ color 36.2414, 25.1379, 43.4994 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

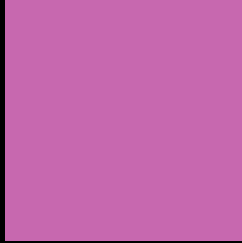
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 36.2414, 25.1379, 43.4994 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

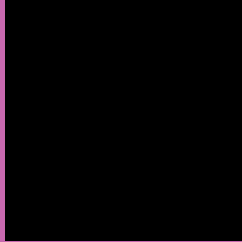
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# XYZ 36.2414, 25.1379, 43.4994

## Background



This preview shows how black text looks on a background with the XYZ color 36.2414, 25.1379, 43.4994.



This preview shows how white text looks on a background with the XYZ color 36.2414, 25.1379,



# 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

36.2414, 25.1379, 43.4994

### Protanopia

26.4491, 25.5137, 57.5635

### Deuteranopia

25.9113, 25.3811, 41.5636



## Tritanopia

31.7611, 25.0542, 22.2307

# Trichromacy



## Original Color

36.2414, 25.1379, 43.4994

## Protanomaly

28.5345, 24.3361, 51.9086

## Deuteranomaly

28.7546, 24.6630, 42.2746

## Tritanomaly

33.1480, 24.9542, 29.0561

# Monochromacy



## Original Color

36.2414, 25.1379, 43.4994

## Achromatopsia

25.3171, 26.6356, 29.0061

## Achromatomaly

28.3692, 25.4196, 33.5483

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 36.2414, 25.1379, 43.4994 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(199, 104, 175)` looks like.

```
.text, #text, p{  
    color:rgb(199, 104, 175)  
}
```

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(199, 104, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 104, 175) }
```

## Border

The CSS property to change the border of an element to XYZ 36.2414, 25.1379, 43.4994 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(199, 104, 175) }
```



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

```
.border{ border-color:rgb(199, 104, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 104, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 104, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 104, 175);  
box-shadow:4px 4px 4px 4px rgb(199, 104,  
175) }
```

# Background

The CSS property to change the background color of an element to XYZ 36.2414, 25.1379, 43.4994 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 104, 175) }
```

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

```
.background{ background-color: rgb(199,  
104, 175) }
```

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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