

# Converting Colors

XYZ(36.9653, 25.3326, 47.7328)

Have a look what the booklet for  
XYZ(36.9653, 25.3326, 47.7328)  
contains.

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# Color

**XYZ(36.9507, 25.2615,  
47.7282)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C767B7
RGB	199, 103, 183
RGB Percent	78%, 40%, 72%
CMY	0.2196, 0.5961, 0.2824
CMYK	0.00, 0.48, 0.08, 0.22
HSL	310°, 46%, 59%
HSV	310°, 48%, 78%
XYZ	36.9507, 25.2615, 47.7282
YIQ	140.8240, 31.5360, 45.2320

# Conversions

## Conversions Part 2

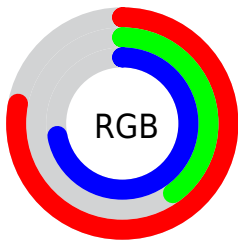
Format	Color
R <sub>Y</sub> B	199, 103, 183
Decimal	13068215
CIE Lab	57.33, 48.85, -25.50
CIE LCh	57, 55.100, 332.436
Yxy	25.2615, 0.3361, 0.2298
Android (android.graphics.Color)	4291258295 (0xFFC767B7)
YUV	140.8240, 20.7928, 51.0204
Hunter-Lab	50.2608, 43.2730, -21.1198

# Details

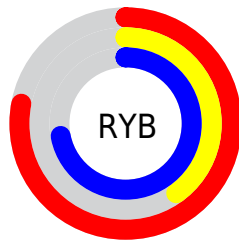
The XYZ color **36.9507, 25.2615, 47.7282** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **29.3479, 45.0632, 24.6057**, and the grayscale version is **25.1619, 26.4723, 28.8283**.

A 20% lighter version of the original color is **68.8770, 51.6059, 87.9921**, and **16.4976, 9.7325, 22.1281** is the 20% darker color. If you saturate the color by 10%, you get **34.8608, 21.6272, 45.3484**, and if you desaturate by 10%, it is **39.5214, 29.8433, 50.3089**.

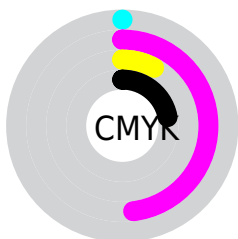
# Distribution



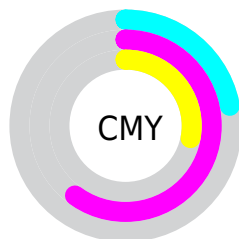
- Red (78%)
- Green (40%)
- Blue (72%)



- Red (78%)
- Yellow (40%)
- Blue (72%)



- Cyan (0%)
- Magenta (48%)
- Yellow (8%)
- Black (22%)




- Cyan (22%)
- Magenta (60%)
- Yellow (28%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 36.9507, 25.2615, 47.7282 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 36.9507, 25.2615, 47.7282 by changing the saturation by 10% instead.




 36.9507, 25.2615,  
47.7282

 36.9507, 25.2615,  
47.7282


324.4563,  
279.1377, 394.1914

 25.3428, 16.2720,  
33.2532


 69.8113, 52.0811,  
88.1609


 16.4627, 9.7168,  
22.0478


 91.7947, 70.6800,  
114.9557

 9.9451, 5.2116,  
13.6934


 117.9673, 93.2509,  
146.6943

 5.4246, 2.3720,  
7.7714

 148.6945,  
120.1780, 183.7950

 2.5358, 0.8114,  
3.8634

184.3417,  
151.8459, 226.6766

 0.9133, 0.0000,  
1.5507

225.2741,

 0.0000, 0.0000,

188.6389, 275.7575

0.2553

271.8572,  
230.9414, 331.4562

■ 0.0000, 0.0000,  
0.0000

■ 36.9507, 25.2615,  
47.7282

■ 36.9507, 25.2615,  
47.7282

■ 34.8608, 21.6272,  
45.3484

■ 39.5214, 29.8433,  
50.3089

■ 33.2152, 18.8691,  
43.1563

■ 42.6011, 35.4305,  
53.0994

■ 31.9761, 16.9113,  
41.1394


■ 46.2186, 42.0802,  
56.1099


■ 31.0984, 15.6634,  
39.2822


■ 50.4001, 49.8444,  
59.3494


■ 30.5127, 14.9868,  
37.5614


■ 55.1697, 58.7717,  
62.8261

 30.4210, 14.8893,  
37.2662

 60.5504, 68.9077,  
66.5479

 66.5639, 80.2955,  
70.5224

 70.8886, 88.2923,  
73.9760

 71.3050, 88.4589,  
76.1690

# Harmonies

## Analogous

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



31.3945, 25.2615, 70.3899



36.9507, 25.2615, 47.7282



38.8677, 25.2615, 26.0053

# Triad

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



36.9507, 25.2615, 47.7282



23.4806, 25.2615, 4.9499



14.8952, 25.2615, 51.6537

# Complementary

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



36.9507, 25.2615, 47.7282



29.3479, 45.0632, 24.6057

# 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.



13.5230, 25.2615, 29.0623



36.9507, 25.2615, 47.7282



17.8855, 25.2615, 6.9492

# Square

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



36.9507, 25.2615, 47.7282



30.3022, 25.2615, 6.3561



14.5104, 25.2615, 13.9948



18.6558, 25.2615, 73.2882



# Rectangle

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



36.9507, 25.2615, 47.7282



37.5873, 25.2615, 15.9370



14.5104, 25.2615, 13.9948



14.1736, 25.2615, 43.6396

# Sweetspot

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



36.9515, 25.2627, 47.7287



83.7565, 78.9224, 100.4822



22.7680, 17.7473, 56.2591



17.5940, 16.2749, 21.2455



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.



36.9515, 25.2627, 47.7287



60.8400, 37.5290, 79.1568



32.7776, 23.5931, 25.7494



11.0043, 10.7851, 13.0057



19.5890, 9.5852, 24.1095



0.9483, 0.4622, 1.2508



# Inverse Universe

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



36.9515, 25.2627, 47.7287



60.8400, 37.5290, 79.1568



32.9930, 46.5213, 43.8010



11.0043, 10.7851, 13.0057



19.5890, 9.5852, 24.1095

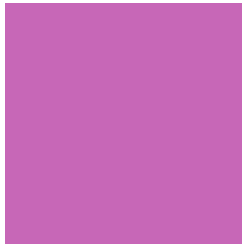


0.9483, 0.4622, 1.2508



# Previews

## White Background



This preview shows how the XYZ color 36.9507, 25.2615, 47.7282 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

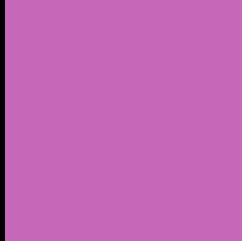
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 36.9507, 25.2615, 47.7282 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

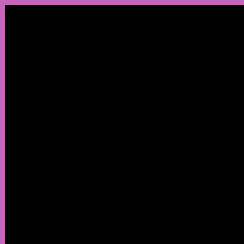
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 36.9507, 25.2615, 47.7282**

## **Background**



This preview shows how black text looks on a background with the XYZ color 36.9507, 25.2615, 47.7282.



This preview shows how white text looks on a background with the XYZ color 36.9507, 25.2615,



# 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

36.9507, 25.2615, 47.7282

### Protanopia

27.1228, 25.7225, 63.8570

### Deuteranopia

26.1000, 25.6079, 45.1622



## Tritanopia

31.6853, 25.1779, 22.5919

# Trichromacy



## Original Color

36.9507, 25.2615, 47.7282

## Protanomaly

29.1346, 24.5147, 57.8398

## Deuteranomaly

29.0546, 24.7379, 45.8914

## Tritanomaly

33.3784, 25.0463, 30.2693

# Monochromacy



## Original Color

36.9507, 25.2615, 47.7282

## Achromatopsia

25.3171, 26.6356, 29.0061

## Achromatomaly

28.4904, 25.2604, 34.8266

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 36.9507, 25.2615, 47.7282 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, 103, 183)` looks like.

```
.text, #text, p{  
    color:rgb(199, 103, 183)  
}
```

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, 103, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 103, 183) }
```

## Border

The CSS property to change the border of an element to XYZ 36.9507, 25.2615, 47.7282 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, 103, 183) }
```



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

```
.border{ border-color:rgb(199, 103, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 103, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 103, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 103, 183);  
box-shadow:4px 4px 4px 4px rgb(199, 103,  
183) }
```

# Background

The CSS property to change the background color of an element to XYZ 36.9507, 25.2615, 47.7282 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 103, 183) }
```

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

```
.background{ background-color: rgb(199,  
103, 183) }
```

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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