

Converting Colors

XYZ(36.8533, 25.2878, 47.1435)

Have a look what the booklet for
XYZ(36.8533, 25.2878, 47.1435)
contains.

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Color

**XYZ(36.8469, 25.2200,
47.1819)**

Conversions

Conversions Part 1

Format	Color
Hex	C767B6
RGB	199, 103, 182
RGB Percent	78%, 40%, 71%
CMY	0.2196, 0.5961, 0.2863
CMYK	0.00, 0.48, 0.09, 0.22
HSL	311°, 46%, 59%
HSV	311°, 48%, 78%
XYZ	36.8469, 25.2200, 47.1819
YIQ	140.7100, 31.8570, 44.9210

Conversions

Conversions Part 2

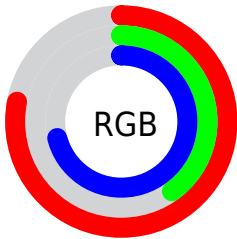
Format	Color
R _Y B	199, 103, 182
Decimal	13068214
CIE Lab	57.29, 48.68, -24.98
CIE LCh	57, 54.714, 332.830
Yxy	25.2200, 0.3373, 0.2308
Android (android.graphics.Color)	4291258294 (0xFFC767B6)
YUV	140.7100, 20.3560, 51.1203
Hunter-Lab	50.2195, 43.0843, -20.5501

Details

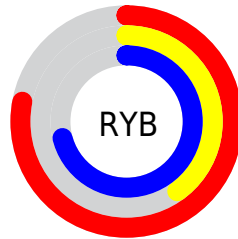
The XYZ color **36.8469, 25.2200, 47.1819** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **29.4082, 45.0873, 24.9237**, and the grayscale version is **25.1190, 26.4271, 28.7791**.

A 20% lighter version of the original color is **68.7296, 51.5470, 87.2160**, and **16.4307, 9.7058, 21.7763** is the 20% darker color. If you saturate the color by 10%, you get **34.7385, 21.5784, 44.7049**, and if you desaturate by 10%, it is **39.4371, 29.8096, 49.8652**.

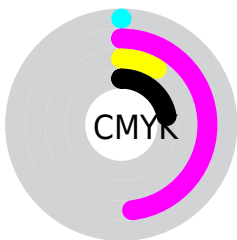
Distribution



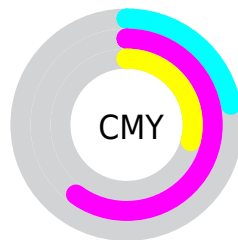
- Red (78%)
- Green (40%)
- Blue (71%)



- Red (78%)
- Yellow (40%)
- Blue (71%)



- Cyan (0%)
- Magenta (48%)
- Yellow (9%)
- Black (22%)





- Cyan (22%)
- Magenta (60%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.8469, 25.2200, 47.1819 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 36.8469, 25.2200, 47.1819 by changing the saturation by 10% instead.


 36.8469, 25.2200,
47.1819

 36.8469, 25.2200,
47.1819


324.0143,
278.9318, 391.9549

 25.2621, 16.2410,
32.8241


 69.6526, 52.0139,
87.3379


 16.4022, 9.6949,
21.7217


 91.6042, 70.5976,
113.9732

 9.9019, 5.1971,
13.4562


 117.7422, 93.1517,
145.5380

 5.3957, 2.3634,
7.6090

 148.4318,
120.0606, 182.4510

 2.5184, 0.8070,
3.7616

184.0385,
151.7087, 225.1307

 0.9045, 0.0000,
1.4955

224.9276,

 0.0000, 0.0000,

188.4803, 273.9955

0.2146

271.4644,
230.7599, 329.4641

■ 0.0000, 0.0000,
0.0000

■ 36.8469, 25.2200,
47.1819

■ 36.8469, 25.2200,
47.1819

■ 34.7385, 21.5784,
44.7049

■ 39.4371, 29.8096,
49.8652

■ 33.0755, 18.8133,
42.4210

■ 42.5373, 35.4050,
52.7639

■ 31.8200, 16.8489,
40.3175


■ 46.1764, 42.0633,
55.8880


■ 30.9268, 15.5948,
38.3790


■ 50.3805, 49.8366,
59.2467


■ 30.3266, 14.9124,
36.5821

■ 55.1739, 58.7734,
62.8483

 30.2325, 14.8139,
36.2740

 60.5794, 68.9192,
66.7008

 66.6187, 80.3175,
70.8117

 70.9704, 88.3250,
74.4074

 71.4150, 88.5029,
76.7485

Harmonies

Analogous

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



31.3773, 25.2200, 69.6626



36.8469, 25.2200, 47.1819



38.6871, 25.2200, 25.7366

Triad

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



36.8469, 25.2200, 47.1819



23.3612, 25.2200, 5.0195



14.9542, 25.2200, 51.6942

Complementary

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



36.8469, 25.2200, 47.1819



29.4082, 45.0873, 24.9237

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.



13.5587, 25.2200, 29.2592



36.8469, 25.2200, 47.1819



17.8325, 25.2200, 7.0696

Square

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



36.8469, 25.2200, 47.1819



30.1201, 25.2200, 6.3806



14.5097, 25.2200, 14.1800



18.7213, 25.2200, 72.9899

Rectangle

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



36.8469, 25.2200, 47.1819



37.3804, 25.2200, 15.8151



14.5097, 25.2200, 14.1800



14.2263, 25.2200, 43.7559

Sweetspot

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



36.8477, 25.2212, 47.1824



83.6985, 78.8992, 100.1769



22.7680, 17.7473, 56.2589



17.5798, 16.2692, 21.1705



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.



36.8477, 25.2212, 47.1824



60.6242, 37.4427, 78.0202



32.7776, 23.5931, 25.7494



10.9994, 10.7831, 12.9800



19.4692, 9.5372, 23.4783



0.9436, 0.4603, 1.2262

Inverse Universe

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



36.8477, 25.2212, 47.1824



60.6242, 37.4427, 78.0202



32.9930, 46.5212, 43.8009



10.9994, 10.7831, 12.9800



19.4692, 9.5372, 23.4783



0.9436, 0.4603, 1.2262

Previews

White Background



This preview shows how the XYZ color 36.8469, 25.2200, 47.1819 looks on a white background.

Color Contrast Check

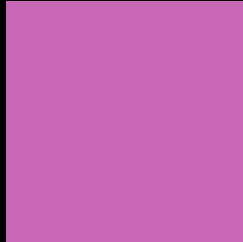
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.8469, 25.2200, 47.1819 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

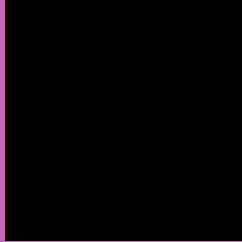
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 36.8469, 25.2200, 47.1819

Background



This preview shows how black text looks on a background with the XYZ color 36.8469, 25.2200, 47.1819.



This preview shows how white text looks on a background with the XYZ color 36.8469, 25.2200,

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

36.8469, 25.2200, 47.1819

Protanopia

26.9994, 25.6731, 63.2069

Deuteranopia

25.8605, 25.2878, 44.5923



Tritanopia

31.6217, 25.1525, 22.2571

Trichromacy



Original Color

36.8469, 25.2200, 47.1819

Protanomaly

29.0181, 24.4681, 57.2262

Deuteranomaly

28.8291, 24.4482, 45.3190

Tritanomaly

33.3010, 25.0153, 29.8613

Monochromacy



Original Color

36.8469, 25.2200, 47.1819

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 36.8469, 25.2200, 47.1819 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, 182)` looks like.

```
.text, #text, p{  
    color:rgb(199, 103, 182)  
}
```

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, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 103, 182) }
```

Border

The CSS property to change the border of an element to XYZ 36.8469, 25.2200, 47.1819 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, 182) }
```


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

```
.border{ border-color:rgb(199, 103, 182) }
```

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, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 103, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 103, 182);  
box-shadow:4px 4px 4px 4px rgb(199, 103,  
182) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8469, 25.2200, 47.1819 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, 182) }
```

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

```
.background{ background-color: rgb(199,  
103, 182) }
```

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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