

# Converting Colors

XYZ(42.3977, 25.6972, 57.0896)

Have a look what the booklet for  
XYZ(42.3977, 25.6972, 57.0896)  
contains.

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# Color

**XYZ(42.4488, 25.7382,  
57.3743)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D957C8
RGB	217, 87, 200
RGB Percent	85%, 34%, 78%
CMY	0.1490, 0.6588, 0.2157
CMYK	0.00, 0.60, 0.08, 0.15
HSL	308°, 63%, 60%
HSV	308°, 60%, 85%
XYZ	42.4488, 25.7382, 57.3743
YIQ	138.7520, 41.2070, 62.7030

# Conversions

## Conversions Part 2

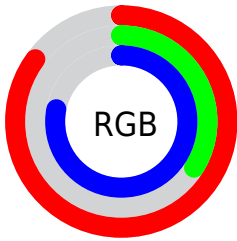
Format	Color
R <sub>Y</sub> B	217, 87, 200
Decimal	14243784
CIE Lab	57.79, 64.14, -34.32
CIE LCh	58, 72.744, 331.849
Yxy	25.7382, 0.3381, 0.2050
Android (android.graphics.Color)	4292433864 (0xFFD957C8)
YUV	138.7520, 30.1953, 68.6235
Hunter-Lab	50.7328, 60.5708, -31.5387

# Details

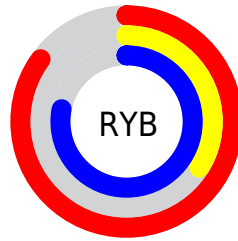
The XYZ color **42.4488, 25.7382, 57.3743** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted magenta. A complement of this color would be **31.2432, 52.6524, 21.6147**, and the grayscale version is **24.3230, 25.5897, 27.8672**.

A 20% lighter version of the original color is **69.2633, 48.4265, 100.3044**, and **19.7545, 9.9826, 28.0798** is the 20% darker color. If you saturate the color by 10%, you get **40.6202, 22.6064, 55.1437**, and if you desaturate by 10%, it is **44.8132, 29.9307, 59.8143**.

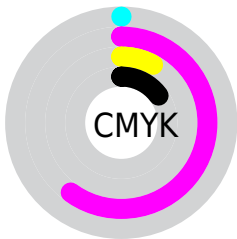
# Distribution



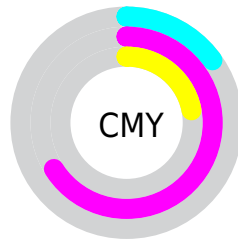
- Red (85%)
- Green (34%)
- Blue (78%)



- Red (85%)
- Yellow (34%)
- Blue (78%)



- Cyan (0%)
- Magenta (60%)
- Yellow (8%)
- Black (15%)




- Cyan (15%)
- Magenta (66%)
- Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.4488, 25.7382, 57.3743 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 42.4488, 25.7382, 57.3743 by changing the saturation by 10% instead.





 42.4488, 25.7382,  
57.3743


 42.4488, 25.7382,  
57.3743


347.3001,  
281.4945, 432.3833


 29.6455, 16.6279,  
40.8945


 78.1393, 52.8523,  
102.5169


 19.7164, 9.9695,  
27.9176


 101.7573, 71.6249,  
132.0167

 12.2961, 5.3788,  
18.0250


 129.7108, 94.3870,  
166.6936

 7.0193, 2.4712,  
10.7983


 162.3653,  
121.5230, 206.9662

 3.5206, 0.8621,  
5.8189

200.0862,  
153.4174, 253.2529

 1.4347, 0.0000,  
2.6683

243.2387,

 0.2807, 0.0000,

190.4546, 305.9723

0.9274

292.1882,  
233.0188, 365.5429

■ 0.0000, 0.0000,  
0.0000

■ 42.4488, 25.7382,  
57.3743

■ 42.4488, 25.7382,  
57.3743

■ 40.6202, 22.6064,  
55.1437

■ 44.8132, 29.9307,  
59.8143

■ 39.2758, 20.4337,  
53.1044

■ 47.7537, 35.2660,  
62.4767

■ 38.3584, 19.1052,  
51.2376

■ 51.3097, 41.8223,  
65.3750

■ 37.7651, 18.4152,  
49.5087

■ 55.5164, 49.6701,  
68.5210

■ 37.7599, 18.4096,  
49.4926

■ 60.4063, 58.8743,  
71.9258

■ 66.0098, 69.4954,  
75.5996

■ 72.3553, 81.5905,  
79.5521

■ 77.6550, 91.5836,  
83.1874

■ 78.0403, 91.7377,  
85.2162

# Harmonies

## Analogous

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



34.4330, 25.7382, 91.9054



42.4488, 25.7382, 57.3743



45.3679, 25.7382, 26.5019

# Triad

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



42.4488, 25.7382, 57.3743



23.9258, 25.7382, 2.2049



12.7956, 25.7382, 61.8157

# Complementary

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



42.4488, 25.7382, 57.3743



31.2432, 52.6524, 21.6147

# 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.



11.2293, 25.7382, 29.6044



42.4488, 25.7382, 57.3743



16.6319, 25.7382, 3.8121

# Square

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



42.4488, 25.7382, 57.3743



33.2682, 25.7382, 3.4164



12.4473, 25.7382, 10.9122



17.3677, 25.7382, 95.3717



# Rectangle

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



42.4488, 25.7382, 57.3743



43.5850, 25.7382, 13.6707



12.4473, 25.7382, 10.9122



11.9568, 25.7382, 49.9927

# Sweetspot

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



42.4497, 25.7394, 57.3748



81.1635, 73.7494, 99.5776



21.4322, 14.6620, 67.3469



16.9591, 15.0107, 21.0165



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.



42.4497, 25.7394, 57.3748



57.9410, 31.5864, 78.6362



36.5280, 23.3707, 26.1916



13.5373, 13.2440, 16.0906



22.8856, 11.1553, 30.1074



1.5035, 0.7310, 2.0602



# Inverse Universe

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



42.4497, 25.7394, 57.3748



57.9410, 31.5864, 78.6362



35.7349, 54.4491, 45.2678



13.5373, 13.2440, 16.0906



22.8856, 11.1553, 30.1074



1.5035, 0.7310, 2.0602



# Previews

## White Background



This preview shows how the XYZ color 42.4488, 25.7382, 57.3743 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

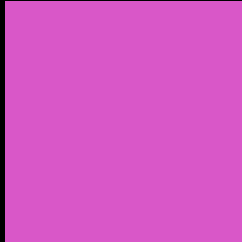
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 42.4488, 25.7382, 57.3743 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

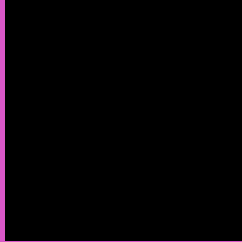
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 42.4488, 25.7382, 57.3743**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.4488, 25.7382, 57.3743.



This preview shows how white text looks on a background with the XYZ color 42.4488, 25.7382,



# 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

42.4488, 25.7382, 57.3743

### Protanopia

29.2448, 26.2944, 87.5384

### Deuteranopia

26.4861, 25.8347, 53.4598



## Tritanopia

34.6919, 25.6315, 19.9485

# Trichromacy



## Original Color

42.4488, 25.7382, 57.3743



## Protanomaly

30.6601, 23.8213, 75.6550



## Deuteranomaly

30.3518, 24.3019, 54.7208



## Tritanomaly

36.7841, 25.2628, 30.5412

# Monochromacy



## Original Color

42.4488, 25.7382, 57.3743



## Achromatopsia

24.5403, 25.8183, 28.1161



## Achromatomaly

29.0858, 24.2216, 36.8605

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.4488, 25.7382, 57.3743 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(217, 87, 200)` looks like.

```
.text, #text, p{  
    color:rgb(217, 87, 200)  
}
```

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(217, 87, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 87, 200) }
```

## Border

The CSS property to change the border of an element to XYZ 42.4488, 25.7382, 57.3743 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(217, 87, 200) }
```



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

```
.border{ border-color:rgb(217, 87, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 87, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 87, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 87, 200);  
box-shadow:4px 4px 4px 4px rgb(217, 87,  
200) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.4488, 25.7382, 57.3743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 87, 200) }
```

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

```
.background{ background-color: rgb(217, 87,  
200) }
```

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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