

# Converting Colors

XYZ(39.4945, 25.9610, 43.0555)

Have a look what the booklet for  
XYZ(39.4945, 25.9610, 43.0555)  
contains.

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# Color

**XYZ(39.4482, 25.9375,  
42.9717)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D562AE
RGB	213, 98, 174
RGB Percent	84%, 38%, 68%
CMY	0.1647, 0.6157, 0.3176
CMYK	0.00, 0.54, 0.18, 0.16
HSL	320°, 58%, 61%
HSV	320°, 54%, 84%
XYZ	39.4482, 25.9375, 42.9717
YIQ	141.0490, 44.1440, 48.0160

# Conversions

## Conversions Part 2

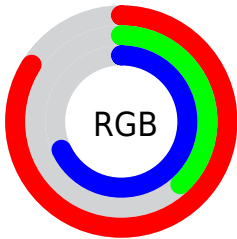
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	213, 98, 174
Decimal	13984430
CIE Lab	57.98, 54.09, -19.15
CIE LCh	58, 57.385, 340.501
Yxy	25.9375, 0.3641, 0.2394
Android (android.graphics.Color)	4292174510 (0xFFD562AE)
YUV	141.0490, 16.2448, 63.1010
Hunter-Lab	50.9289, 49.1360, -14.3763

# Details

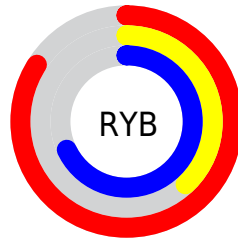
The XYZ color **39.4482, 25.9375, 42.9717** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **33.3478, 51.9920, 31.9471**, and the grayscale version is **25.2638, 26.5795, 28.9451**.

A 20% lighter version of the original color is **66.9142, 49.7556, 80.9399**, and **17.9895, 10.1043, 19.0913** is the 20% darker color. If you saturate the color by 10%, you get **37.0285, 22.1947, 38.7835**, and if you desaturate by 10%, it is **42.4376, 30.7583, 47.5371**.

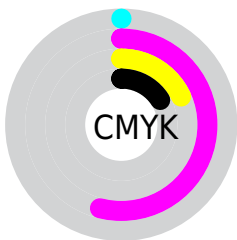
# Distribution



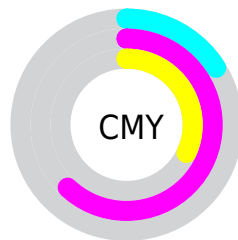
- Red (84%)
- Green (38%)
- Blue (68%)



- Red (84%)
- Yellow (38%)
- Blue (68%)



- Cyan (0%)
- Magenta (54%)
- Yellow (18%)
- Black (16%)



- Cyan (16%)
- Magenta (62%)
- Yellow (32%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.4482, 25.9375, 42.9717 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 39.4482, 25.9375, 42.9717 by changing the saturation by 10% instead.



39.4482, 25.9375,  
42.9717

39.4482, 25.9375,  
42.9717

334.9667,  
282.4751, 374.4132

27.2909, 16.7769,  
29.5317

73.6122, 53.1741,  
80.9541

17.9295, 10.0755,  
19.2344

96.3496, 72.0189,  
106.3335

10.9988, 5.4491,  
11.6612

123.3444, 94.8605,  
136.5297

6.1333, 2.5131,  
6.3937

154.9619,  
122.0834, 171.9614

2.9677, 0.8832,  
3.0133

191.5676,  
154.0719, 213.0471

1.1367, 0.0000,  
1.1014

233.5267,

0.0555, 0.0000,

191.2104, 260.2052

0.0000

281.2046,  
233.8834, 313.8544

■ 0.0000, 0.0000,  
0.0000

■ 39.4482, 25.9375,  
42.9717

■ 39.4482, 25.9375,  
42.9717

■ 37.0285, 22.1947,  
38.7835

■ 42.4376, 30.7583,  
47.5371

■ 35.1324, 19.4398,  
34.9536

■ 46.0331, 36.7303,  
52.4941

■ 33.7103, 17.5741,  
31.4627

■ 50.2711, 43.9245,  
57.8578

■ 32.7011, 16.4767,  
28.2874

■ 55.1839, 52.4052,  
63.6416

■ 32.2307, 16.0622,  
26.5082

■ 60.8019, 62.2322,  
69.8584

■ 67.1536, 73.4614,  
76.5203

■ 74.2657, 86.1456,  
83.6387

■ 77.7365, 91.4805,  
89.7489

■ 78.7829, 91.8991,  
95.2590

# Harmonies

## Analogous

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



34.3468, 25.9375, 68.2738



39.4482, 25.9375, 42.9717



40.1922, 25.9375, 21.8484

# Triad

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



39.4482, 25.9375, 42.9717



22.3058, 25.9375, 4.8968



15.8538, 25.9375, 60.9366

# Complementary

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



39.4482, 25.9375, 42.9717



33.3478, 51.9920, 31.9471

# 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.



13.7450, 25.9375, 35.7739



39.4482, 25.9375, 42.9717



16.9795, 25.9375, 8.0416

# Square

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



39.4482, 25.9375, 42.9717



29.3678, 25.9375, 5.3940



14.1143, 25.9375, 17.3330



20.4716, 25.9375, 81.5676



# Rectangle

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



39.4482, 25.9375, 42.9717



37.9911, 25.9375, 12.9760



14.1143, 25.9375, 17.3330



14.8710, 25.9375, 52.3431

# Sweetspot

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



39.4490, 25.9388, 42.9722



81.2387, 75.8150, 93.6987



26.5868, 18.8032, 65.1792



17.0516, 15.6446, 19.6634



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.



39.4490, 25.9388, 42.9722



55.1172, 32.5600, 57.2827



35.0300, 24.1711, 19.7019



12.7657, 12.5578, 14.7065



19.7373, 9.8312, 16.4527



1.2284, 0.6082, 1.1923



# Inverse Universe

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



39.4490, 25.9388, 42.9722



55.1172, 32.5600, 57.2827



38.5511, 54.0733, 59.3470



12.7657, 12.5578, 14.7065



19.7373, 9.8312, 16.4527



1.2284, 0.6082, 1.1923



# Previews

## White Background



This preview shows how the XYZ color 39.4482, 25.9375, 42.9717 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

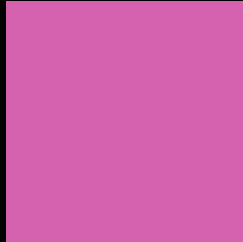
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 39.4482, 25.9375, 42.9717 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

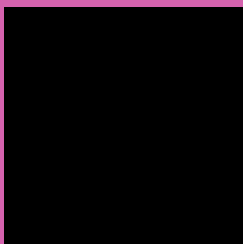
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 39.4482, 25.9375, 42.9717**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.4482, 25.9375, 42.9717.



This preview shows how white text looks on a background with the XYZ color 39.4482, 25.9375,



# 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

39.4482, 25.9375, 42.9717

### Protanopia

27.3392, 26.3403, 60.1432

### Deuteranopia

26.8288, 26.2939, 40.7070



## Tritanopia

34.5781, 25.7253, 20.2825

# Trichromacy



## Original Color

39.4482, 25.9375, 42.9717



## Protanomaly

29.7343, 24.7440, 53.0781



## Deuteranomaly

30.2750, 25.2837, 41.3148



## Tritanomaly

36.0360, 25.6984, 27.1057

# Monochromacy



## Original Color

39.4482, 25.9375, 42.9717



## Achromatopsia

25.3171, 26.6356, 29.0061



## Achromatomaly

29.0197, 25.1826, 33.4682

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.4482, 25.9375, 42.9717 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(213, 98, 174)` looks like.

```
.text, #text, p{  
    color:rgb(213, 98, 174)  
}
```

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(213, 98, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 98, 174) }
```

## Border

The CSS property to change the border of an element to XYZ 39.4482, 25.9375, 42.9717 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(213, 98, 174) }
```



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

```
.border{ border-color:rgb(213, 98, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 98, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(213, 98, 174); -webkit-box-shadow:4px 4px 4px 4px rgb(213, 98, 174); box-shadow:4px 4px 4px 4px rgb(213, 98, 174) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.4482, 25.9375, 42.9717 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 98, 174) }
```

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

```
.background{ background-color: rgb(213, 98,  
174) }
```

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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