

# Converting Colors

XYZ(39.3803, 21.2582, 62.3916)

Have a look what the booklet for  
XYZ(39.3803, 21.2582, 62.3916)  
contains.

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# Color

**XYZ(39.3671, 21.2867,  
62.3555)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D13BD1
RGB	209, 59, 209
RGB Percent	82%, 23%, 82%
CMY	0.1804, 0.7686, 0.1804
CMYK	0.00, 0.72, 0.00, 0.18
HSL	300°, 62%, 53%
HSV	300°, 72%, 82%
XYZ	39.3671, 21.2867, 62.3555
YIQ	120.9500, 41.2500, 78.4500

# Conversions

## Conversions Part 2

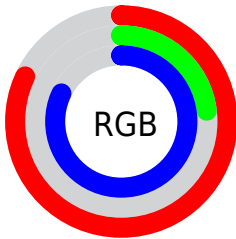
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">209, 59, 209</a>
Decimal	<a href="#">13712337</a>
CIELab	<a href="#">53.26, 74.17, -46.67</a>
CIELCh	<a href="#">53, 87.627, 327.819</a>
Yxy	<a href="#">21.2867, 0.3200, 0.1730</a>
Android (android.graphics.Color)	<a href="#">4291902417 (0xFFD13BD1)</a>
YUV	<a href="#">120.9500, 43.4087, 77.2199</a>
Hunter-Lab	<a href="#">46.1375, 71.5655, -47.8350</a>

# Details

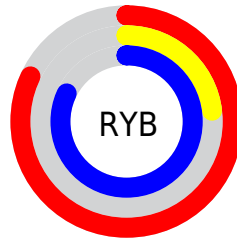
The XYZ color **39.3671, 21.2867, 62.3555** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **25.3945, 46.8475, 11.8428**, and the grayscale version is **18.0142, 18.9523, 20.6391**.

A 20% lighter version of the original color is **66.0065, 41.9129, 99.2188**, and **18.4104, 8.8171, 31.3034** is the 20% darker color. If you saturate the color by 10%, you get **38.5001, 19.5521, 62.0666**, and if you desaturate by 10%, it is **40.6655, 23.8828, 62.7885**.

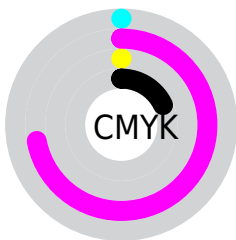
# Distribution



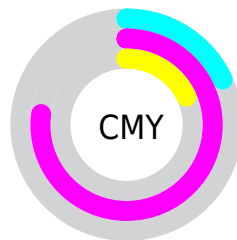
- Red (82%)
- Green (23%)
- Blue (82%)



- Red (82%)
- Yellow (23%)
- Blue (82%)



- Cyan (0%)
- Magenta (72%)
- Yellow (0%)
- Black (18%)




- Cyan (18%)
- Magenta (77%)
- Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.3671, 21.2867, 62.3555 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 39.3671, 21.2867, 62.3555 by changing the saturation by 10% instead.





 39.3671, 21.2867,  
62.3555


 39.3671, 21.2867,  
62.3555


334.6291,  
258.7982, 451.2701

 27.2274, 13.3337,  
44.8824

 73.4893, 45.5642,  
109.8157


 17.8816, 7.6588,  
31.0225


 96.2025, 62.6575,  
140.6399


 10.9642, 3.8774,  
20.3574


 123.1709, 83.5664,  
176.7515

 6.1099, 1.6052,  
12.4684

 154.7600,  
108.6753, 218.5691

 2.9533, 0.3611,  
6.9372

 191.3350,  
138.3685, 266.5112

 1.1291, 0.0000,  
3.3450

233.2612,

 0.0493, 0.0000,

173.0304, 320.9964

1.2734

280.9041,  
213.0456, 382.4432

■ 0.0000, 0.0000,  
0.0398

■ 0.0000, 0.0000,  
0.0000

■ 39.3671, 21.2867,  
62.3555

■ 39.3671, 21.2867,  
62.3555

■ 38.5001, 19.5521,  
62.0666

■ 40.6655, 23.8828,  
62.7885

■ 38.0072, 18.5663,  
61.9022

■ 42.4386, 27.4291,  
63.3797

■ 37.8035, 18.1590,  
61.8342

■ 44.7273, 32.0064,  
64.1426

■ 47.5673, 37.6864,  
65.0894

50.9912, 44.5342,  
66.2308

55.0291, 52.6099,  
67.5768

59.7088, 61.9694,  
69.1368

65.0568, 72.6652,  
70.9195

71.0977, 84.7470,  
72.9332

# Harmonies

## Analogous

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



29.7375, 21.2867, 103.9245



39.3671, 21.2867, 62.3555



43.7672, 21.2867, 25.1739

# Triad

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



39.3671, 21.2867, 62.3555



20.9179, 21.2867, 0.2983



8.2122, 21.2867, 56.0739

# Complementary

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



39.3671, 21.2867, 62.3555



25.3945, 46.8475, 11.8428

# 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.



7.1408, 21.2867, 21.2897



39.3671, 21.2867, 62.3555



13.0050, 21.2867, 1.0024

# Square

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



39.3671, 21.2867, 62.3555



31.2814, 21.2867, 1.2612



8.5894, 21.2867, 5.2399



12.1499, 21.2867, 98.7339



# Rectangle

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



39.3671, 21.2867, 62.3555



42.3743, 21.2867, 10.8076



8.5894, 21.2867, 5.2399



7.5694, 21.2867, 42.5597

# Sweetspot

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



39.3679, 21.2877, 62.3559



79.6904, 69.2808, 103.7798



14.8772, 8.6622, 61.2104



16.7244, 14.1637, 22.1023



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.



39.3679, 21.2877, 62.3559



59.9116, 29.7236, 97.1861



32.1626, 18.4056, 24.4133



12.3109, 12.0091, 14.9128



23.3082, 11.1961, 38.1246



1.3032, 0.6260, 2.1317



# Inverse Universe

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



39.3679, 21.2877, 62.3559



59.9116, 29.7236, 97.1861



28.9083, 48.2530, 30.3460



12.3109, 12.0091, 14.9128



23.3082, 11.1961, 38.1246



1.3032, 0.6260, 2.1317



# Previews

## White Background



This preview shows how the XYZ color 39.3671, 21.2867, 62.3555 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

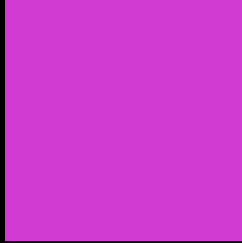
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 39.3671, 21.2867, 62.3555 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

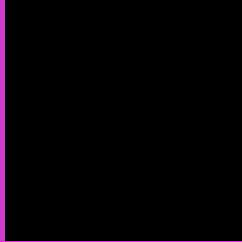
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 39.3671, 21.2867, 62.3555**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.3671, 21.2867, 62.3555.



This preview shows how white text looks on a background with the XYZ color 39.3671, 21.2867,



# 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

39.3671, 21.2867, 62.3555

### Protanopia

25.9323, 21.7980, 97.4484

### Deuteranopia

22.0968, 21.4801, 56.4075



## Tritanopia

29.6570, 21.2153, 15.3638

# Trichromacy



## Original Color

39.3671, 21.2867, 62.3555



## Protanomaly

25.2453, 17.9967, 83.0321



## Deuteranomaly

25.2436, 18.8353, 58.1822



## Tritanomaly

32.0631, 20.5570, 27.8692

# Monochromacy



## Original Color

39.3671, 21.2867, 62.3555



## Achromatopsia

18.1737, 19.1202, 20.8219



## Achromatomaly

23.2543, 17.8076, 32.3486

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.3671, 21.2867, 62.3555 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(209, 59, 209)` looks like.

```
.text, #text, p{  
    color:rgb(209, 59, 209)  
}
```

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(209, 59, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 59, 209) }
```

## Border

The CSS property to change the border of an element to XYZ 39.3671, 21.2867, 62.3555 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(209, 59, 209) }
```



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

```
.border{ border-color:rgb(209, 59, 209) }
```

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

Here you see how a box with a 4 pixel rgb(209, 59, 209) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 59, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 59, 209);  
box-shadow:4px 4px 4px 4px rgb(209, 59,  
209) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.3671, 21.2867, 62.3555 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 59, 209) }
```

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

```
.background{ background-color: rgb(209, 59,  
209) }
```

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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