

# Converting Colors

XYZ(39.3896, 18.9661, 62.3833)

Have a look what the booklet for  
XYZ(39.3896, 18.9661, 62.3833)  
contains.

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# Color

**XYZ(39.3644, 18.9493,  
62.5556)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D600D2
RGB	214, 0, 210
RGB Percent	84%, 0%, 82%
CMY	0.1608, 0.9999, 0.1765
CMYK	0.00, 1.00, 0.02, 0.16
HSL	301°, 100%, 42%
HSV	301°, 100%, 84%
XYZ	39.3644, 18.9493, 62.5556
YIQ	87.9260, 60.1340, 110.6780

# Conversions

## Conversions Part 2

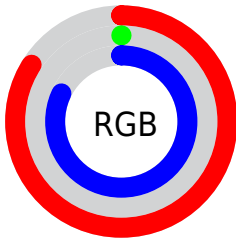
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	214, 0, 210
Decimal	14024914
CIE <sub>Lab</sub>	50.63, 85.51, -51.39
CIE <sub>LCh</sub>	51, 99.764, 328.996
Yxy	18.9493, 0.3257, 0.1568
Android (android.graphics.Color)	4292214994 (0xFFD600D2)
YUV	87.9260, 60.1825, 110.5669
Hunter-Lab	43.5308, 85.2366, -54.7307

# Details

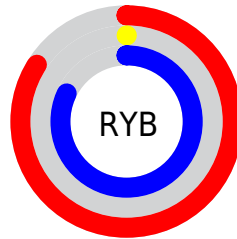
The XYZ color **39.3644, 18.9493, 62.5556** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **24.0694, 48.1028, 8.1320**, and the grayscale version is **9.1279, 9.6033, 10.4580**.

A 20% lighter version of the original color is **63.3822, 36.6644, 98.3441**, and **19.2428, 9.2366, 31.7790** is the 20% darker color. If you saturate the color by 10%, you get **39.3647, 18.9495, 62.5555**, and if you desaturate by 10%, it is **39.6909, 19.5218, 62.9108**.

# Distribution



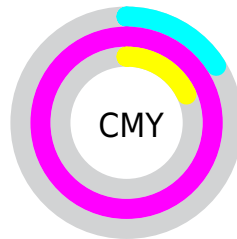
- Red (84%)
- Green (0%)
- Blue (82%)



- Red (84%)
- Yellow (0%)
- Blue (82%)



- Cyan (0%)
- Magenta (100%)
- Yellow (2%)
- Black (16%)




- Cyan (16%)
- Magenta (100%)
- Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.3644, 18.9493, 62.5556 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 39.3644, 18.9493, 62.5556 by changing the saturation by 10% instead.




 39.3644, 18.9493,  
62.5556


 39.3644, 18.9493,  
62.5556


334.6178,  
246.1687, 452.0183


 27.2253, 11.6336,  
45.0431


 73.4852, 41.6484,  
110.1075


 17.8800, 6.4947,  
31.1482


 96.1976, 57.8007,  
140.9840


 10.9630, 3.1482,  
20.4523


 123.1652, 77.6672,  
177.1522

 6.1091, 1.2096,  
12.5369

 154.7533,  
101.6325, 219.0307

 2.9528, 0.0695,  
6.9835

 191.3272,  
130.0809, 267.0380

 1.1289, 0.0000,  
3.3735

 233.2524,

 0.0491, 0.0000,

163.3968, 321.5927

1.2884

280.8941,  
201.9646, 383.1133

■ 0.0000, 0.0000,  
0.0522

■ 0.0000, 0.0000,  
0.0000

■ 39.3644, 18.9493,  
62.5556

■ 39.3644, 18.9493,  
62.5556

■ 39.3647, 18.9495,  
62.5555

■ 39.6909, 19.5218,  
62.9108

■ 40.3226, 20.7051,  
63.3683

■ 41.3615, 22.7027,  
63.9621

■ 42.8639, 25.6268,  
64.7110

■ 44.8769, 29.5722,  
65.6308

■ 47.4421, 34.6217,  
66.7352

■ 50.5967, 40.8499,  
68.0368

■ 54.3748, 48.3248,  
69.5467

■ 58.8078, 57.1092,  
71.2756

# Harmonies

## Analogous

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



28.7273, 18.9493, 112.4065



39.3644, 18.9493, 62.5556



44.0504, 18.9493, 21.5892

# Triad

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



39.3644, 18.9493, 62.5556



18.3418, 18.9493, 0.0000



6.0766, 18.9493, 59.1987

# Complementary

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



39.3644, 18.9493, 62.5556



24.0694, 48.1028, 8.1320

# 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.



5.0075, 18.9493, 19.7046



39.3644, 18.9493, 62.5556



10.3584, 18.9493, 0.0021

# Square

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



39.3644, 18.9493, 62.5556



29.5123, 18.9493, 0.1244



6.2375, 18.9493, 3.4828



9.9692, 18.9493, 109.5143



# Rectangle

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



39.3644, 18.9493, 62.5556



42.2260, 18.9493, 7.6155



6.2375, 18.9493, 3.4828



5.4543, 18.9493, 43.5417

# Sweetspot

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



39.3652, 18.9502, 62.5560



75.0806, 60.4283, 101.1116



12.1832, 4.8790, 63.9188



15.6217, 12.0479, 21.4586



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.



39.3652, 18.9502, 62.5560



58.5317, 28.1767, 92.9869



30.2031, 15.2854, 14.3094



12.9425, 12.6285, 15.6377



23.7977, 11.4554, 37.8345



1.4386, 0.6922, 2.2992



# Inverse Universe

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



39.3652, 18.9502, 62.5560



58.5317, 28.1767, 92.9869



26.8936, 49.2325, 23.0042



12.9425, 12.6285, 15.6377



23.7977, 11.4554, 37.8345



1.4386, 0.6922, 2.2992



# Previews

## White Background



This preview shows how the XYZ color 39.3644, 18.9493, 62.5556 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

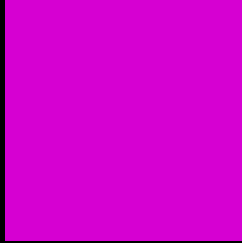
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 39.3644, 18.9493, 62.5556 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

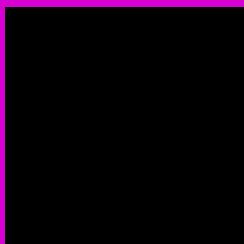
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 39.3644, 18.9493, 62.5556**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.3644, 18.9493, 62.5556.



This preview shows how white text looks on a background with the XYZ color 39.3644, 18.9493,



# 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

39.3644, 18.9493, 62.5556

### Protanopia

23.7338, 19.8590, 93.0247

### Deuteranopia

20.2216, 19.7749, 55.5745



## Tritanopia

28.8661, 19.1567, 11.4087

# Trichromacy



## Original Color

39.3644, 18.9493, 62.5556



## Protanomaly

20.6534, 12.6500, 79.9504



## Deuteranomaly

22.1375, 14.2251, 57.4561



## Tritanomaly

30.8464, 17.2437, 23.5324

# Monochromacy



## Original Color

39.3644, 18.9493, 62.5556



## Achromatopsia

9.2757, 9.7587, 10.6273



## Achromatomaly

15.4105, 9.5626, 22.8633

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.3644, 18.9493, 62.5556 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(214, 0, 210)` looks like.

```
.text, #text, p{  
    color:rgb(214, 0, 210)  
}
```

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(214, 0, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 0, 210) }
```

## Border

The CSS property to change the border of an element to XYZ 39.3644, 18.9493, 62.5556 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(214, 0, 210) }
```



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

```
.border{ border-color:rgb(214, 0, 210) }
```

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

Here you see how a box with a 4 pixel rgb(214, 0, 210) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 0, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 0, 210);  
box-shadow:4px 4px 4px 4px rgb(214, 0,  
210) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.3644, 18.9493, 62.5556 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 0, 210) }
```

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

```
.background{ background-color: rgb(214, 0,  
210) }
```

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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