

# Converting Colors

XYZ(39.4751, 20.2580, 58.9564)

Have a look what the booklet for  
XYZ(39.4751, 20.2580, 58.9564)  
contains.

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# Color

**XYZ(39.4236, 20.2417,  
58.9559)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D629CC
RGB	214, 41, 204
RGB Percent	84%, 16%, 80%
CMY	0.1608, 0.8392, 0.2000
CMYK	0.00, 0.81, 0.05, 0.16
HSL	303°, 68%, 50%
HSV	303°, 81%, 84%
XYZ	39.4236, 20.2417, 58.9559
YIQ	111.3090, 50.7850, 87.3690

# Conversions

## Conversions Part 2

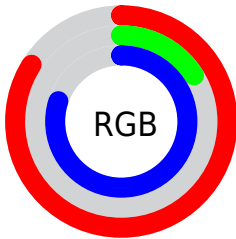
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	214, 41, 204
Decimal	14035404
CIE <sub>Lab</sub>	52.11, 79.31, -45.58
CIE <sub>LCh</sub>	52, 91.476, 330.113
Yxy	20.2417, 0.3323, 0.1706
Android (android.graphics.Color)	4292225484 (0xFFD629CC)
YUV	111.3090, 45.6967, 90.0600
Hunter-Lab	44.9908, 77.6785, -46.2001

# Details

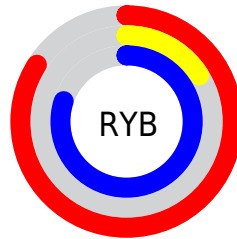
The XYZ color **39.4236, 20.2417, 58.9559** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light washed magenta. A complement of this color would be **25.5596, 48.8045, 11.2065**, and the grayscale version is **15.0621, 15.8465, 17.2568**.

A 20% lighter version of the original color is **64.7586, 39.4173, 98.8029**, and **18.9424, 9.1385, 29.1993** is the 20% darker color. If you saturate the color by 10%, you get **38.7265, 19.0836, 57.9944**, and if you desaturate by 10%, it is **40.5252, 22.2058, 60.0583**.

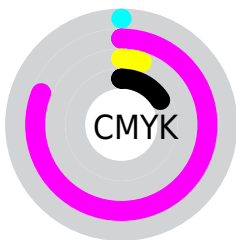
# Distribution



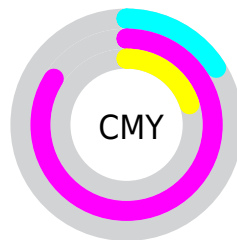
- Red (84%)
- Green (16%)
- Blue (80%)



- Red (84%)
- Yellow (16%)
- Blue (80%)



- Cyan (0%)
- Magenta (81%)
- Yellow (5%)
- Black (16%)




- Cyan (16%)
- Magenta (84%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.4236, 20.2417, 58.9559 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 39.4236, 20.2417, 58.9559 by changing the saturation by 10% instead.



 39.4236, 20.2417,  
58.9559


 39.4236, 20.2417,  
58.9559


334.8643,  
253.2206, 438.4358


 27.2716, 12.5709,  
42.1578


 73.5749, 43.8220,  
104.8421


 17.9150, 7.1337,  
28.8984


 96.3050, 60.5003,  
134.7672


 10.9883, 3.5459,  
18.7591


 123.2918, 80.9499,  
169.9052

 6.1262, 1.4229,  
11.3213

 154.9007,  
105.5551, 210.6745

 2.9634, 0.2335,  
6.1665

 191.4970,  
134.7004, 257.4937

 1.1344, 0.0000,  
2.8761

233.4462,

 0.0536, 0.0000,

168.7702, 310.7813

1.0317

281.1135,  
208.1487, 370.9558

■ 0.0000, 0.0000,  
0.0000

■ 39.4236, 20.2417,  
58.9559

■ 39.4236, 20.2417,  
58.9559

■ 38.7265, 19.0836,  
57.9944

■ 40.5252, 22.2058,  
60.0583

■ 38.3487, 18.5431,  
57.2053

■ 42.0860, 25.0872,  
61.3195

■ 44.1549, 28.9826,  
62.7558

■ 46.7736, 33.9760,  
64.3813

■ 49.9798, 40.1424,  
66.2085

■ 53.8078, 47.5504,  
68.2489

■ 58.2891, 56.2631,  
70.5129

■ 63.4531, 66.3395,  
73.0104

■ 69.3277, 77.8350,  
75.7506

# Harmonies

## Analogous

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



29.7461, 20.2417, 103.3615



39.4236, 20.2417, 58.9559



43.4094, 20.2417, 21.9383

# Triad

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



39.4236, 20.2417, 58.9559



19.2037, 20.2417, 0.0000



7.4985, 20.2417, 59.2957

# Complementary

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



39.4236, 20.2417, 58.9559



25.5596, 48.8045, 11.2065

# 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.



6.2765, 20.2417, 22.1415



39.4236, 20.2417, 58.9559



11.5533, 20.2417, 0.7490

# Square

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



39.4236, 20.2417, 58.9559



29.6640, 20.2417, 0.7364



7.4796, 20.2417, 5.0480



11.5970, 20.2417, 103.6464



# Rectangle

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



39.4236, 20.2417, 58.9559



41.5499, 20.2417, 8.6490



7.4796, 20.2417, 5.0480



6.8107, 20.2417, 44.9194

# Sweetspot

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



39.4244, 20.2427, 58.9563



77.9728, 66.7488, 100.4232



14.2298, 7.1113, 64.2418



16.2525, 13.4417, 21.2615



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.



39.4244, 20.2427, 58.9563



57.1555, 27.7590, 85.3301



31.8464, 17.2115, 19.0514



12.9206, 12.6197, 15.5220



23.1926, 11.2133, 34.6477



1.4085, 0.6802, 2.1406



# Inverse Universe

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



39.4244, 20.2427, 58.9563



57.1555, 27.7590, 85.3301



29.4168, 50.3474, 31.5183



12.9206, 12.6197, 15.5220



23.1926, 11.2133, 34.6477



1.4085, 0.6802, 2.1406



# Previews

## White Background



This preview shows how the XYZ color 39.4236, 20.2417, 58.9559 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

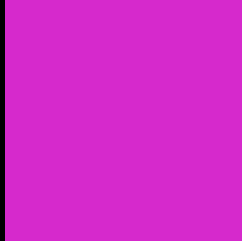
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 39.4236, 20.2417, 58.9559 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 39.4236, 20.2417, 58.9559**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.4236, 20.2417, 58.9559.



This preview shows how white text looks on a background with the XYZ color 39.4236, 20.2417,



# 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

39.4236, 20.2417, 58.9559

### Protanopia

24.9325, 20.7385, 97.2966

### Deuteranopia

21.1757, 20.6911, 53.3298



## Tritanopia

29.7411, 20.1633, 12.6803

# Trichromacy



## Original Color

39.4236, 20.2417, 58.9559



## Protanomaly

22.7192, 15.5167, 81.1545



## Deuteranomaly

24.0724, 17.1875, 54.8721



## Tritanomaly

31.8774, 19.1956, 24.2153

# Monochromacy



## Original Color

39.4236, 20.2417, 58.9559



## Achromatopsia

15.1092, 15.8961, 17.3108



## Achromatomaly

20.6514, 14.9958, 28.5941

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.4236, 20.2417, 58.9559 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, 41, 204)` looks like.

```
.text, #text, p{  
    color:rgb(214, 41, 204)  
}
```

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, 41, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 41, 204) }
```

## Border

The CSS property to change the border of an element to XYZ 39.4236, 20.2417, 58.9559 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, 41, 204) }
```



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

```
.border{ border-color:rgb(214, 41, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 41, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 41, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 41, 204);  
box-shadow:4px 4px 4px 4px rgb(214, 41,  
204) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.4236, 20.2417, 58.9559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 41, 204) }
```

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

```
.background{ background-color: rgb(214, 41,  
204) }
```

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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