

# Converting Colors

XYZ(41.0599, 24.0347, 62.1438)

Have a look what the booklet for  
XYZ(41.0599, 24.0347, 62.1438)  
contains.

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# Color

**XYZ(41.0451, 23.9949,  
62.1427)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D34FD0
RGB	211, 79, 208
RGB Percent	83%, 31%, 82%
CMY	0.1725, 0.6902, 0.1843
CMYK	0.00, 0.63, 0.01, 0.17
HSL	301°, 60%, 57%
HSV	301°, 63%, 83%
XYZ	41.0451, 23.9949, 62.1427
YIQ	133.1740, 37.2630, 68.1030

# Conversions

## Conversions Part 2

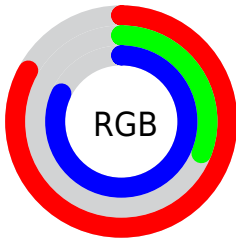
Format	Color
R <sub>YB</sub>	211, 79, 208
Decimal	13848528
CIE Lab	56.08, 67.23, -41.62
CIE LCh	56, 79.067, 328.241
Yxy	23.9949, 0.3227, 0.1887
Android (android.graphics.Color)	4292038608 (0xFFD34FD0)
YUV	133.1740, 36.8892, 68.2534
Hunter-Lab	48.9846, 63.8454, -40.9271

# Details

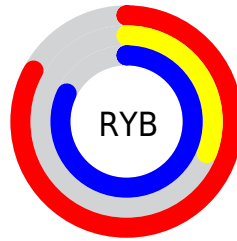
The XYZ color **41.0451, 23.9949, 62.1427** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **28.0428, 48.8610, 15.9371**, and the grayscale version is **22.2191, 23.3763, 25.4567**.

A 20% lighter version of the original color is **68.0942, 46.0883, 99.9147**, and **18.8866, 9.0722, 30.8927** is the 20% darker color. If you saturate the color by 10%, you get **39.6989, 21.3962, 61.4034**, and if you desaturate by 10%, it is **42.8760, 27.5615, 63.0448**.

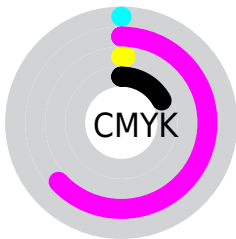
# Distribution



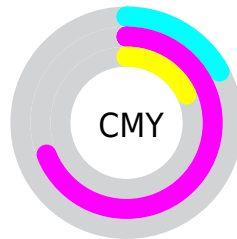
- Red (83%)
- Green (31%)
- Blue (82%)



- Red (83%)
- Yellow (31%)
- Blue (82%)



- Cyan (0%)
- Magenta (63%)
- Yellow (1%)
- Black (17%)



- Cyan (17%)
- Magenta (69%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.0451, 23.9949, 62.1427 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 41.0451, 23.9949, 62.1427 by changing the saturation by 10% instead.



41.0451, 23.9949,  
62.1427

41.0451, 23.9949,  
62.1427

341.5684,  
272.7947, 450.4734

28.5422, 15.3298,  
44.7115

76.0266, 50.0219,  
109.5053

18.8773, 9.0512,  
30.8889

99.2359, 68.1526,  
140.2738

11.6851, 4.7746,  
20.2565

126.7447, 90.2073,  
176.3252

6.6003, 2.1156,  
12.3957

158.9183,  
116.5704, 218.0779

3.2575, 0.6734,  
6.8880

196.1222,  
147.6263, 265.9506

1.2914, 0.0000,  
3.3148

238.7216,

0.1767, 0.0000,

183.7594, 320.3617

1.2575

287.0819,  
225.3541, 381.7298

■ 0.0000, 0.0000,  
0.0266

■ 0.0000, 0.0000,  
0.0000

■ 41.0451, 23.9949,  
62.1427

■ 41.0451, 23.9949,  
62.1427

■ 39.6989, 21.3962,  
61.4034

■ 42.8760, 27.5615,  
63.0448

■ 38.7874, 19.6672,  
60.8097


■ 45.2305, 32.1755,  
64.1222

■ 38.2542, 18.6946,  
60.3430

■ 48.1461, 37.9116,  
65.3874

■ 38.0298, 18.3152,  
60.0536


■ 51.6566, 44.8372,  
66.8519

 55.7929, 53.0140,  
68.5258

 60.5837, 62.4996,  
70.4188

 66.0562, 73.3482,  
72.5399

 72.2357, 85.6106,  
74.8975

 74.5481, 90.1386,  
75.9670

# Harmonies

## Analogous

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



32.0770, 23.9949, 99.2765



41.0451, 23.9949, 62.1427



45.0116, 23.9949, 27.6872

# Triad

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



41.0451, 23.9949, 62.1427



23.3451, 23.9949, 1.2611



10.6494, 23.9949, 57.5371

# Complementary

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



41.0451, 23.9949, 62.1427



28.0428, 48.8610, 15.9371

# 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.



9.4546, 23.9949, 24.6253



41.0451, 23.9949, 62.1427



15.5200, 23.9949, 2.2184

# Square

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



41.0451, 23.9949, 62.1427



33.2532, 23.9949, 2.5275



10.9744, 23.9949, 7.6879



14.8147, 23.9949, 95.5954



# Rectangle

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



41.0451, 23.9949, 62.1427



43.6616, 23.9949, 13.4200



10.9744, 23.9949, 7.6879



9.9447, 23.9949, 45.0492

# Sweetspot

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



41.0460, 23.9960, 62.1432



81.3171, 72.8172, 103.4500



17.9655, 12.0545, 63.0087



17.0310, 14.8466, 21.9898



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.



41.0460, 23.9960, 62.1432



60.4171, 31.8418, 93.9414



34.6038, 21.4191, 28.2192



12.2987, 12.0042, 14.8489



22.9561, 11.0553, 36.2707



1.2873, 0.6196, 2.0479



# Inverse Universe

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



41.0460, 23.9960, 62.1432



60.4171, 31.8418, 93.9414



31.8020, 50.3647, 35.7328



12.2987, 12.0042, 14.8489



22.9561, 11.0553, 36.2707



1.2873, 0.6196, 2.0479



# Previews

## White Background



This preview shows how the XYZ color 41.0451, 23.9949, 62.1427 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

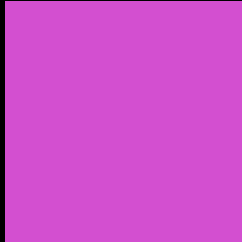
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 41.0451, 23.9949, 62.1427 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

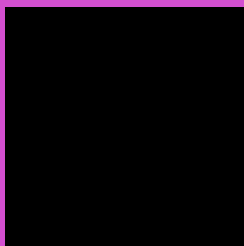
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 41.0451, 23.9949, 62.1427**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.0451, 23.9949, 62.1427.



This preview shows how white text looks on a background with the XYZ color 41.0451, 23.9949,



# 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

41.0451, 23.9949, 62.1427

### Protanopia

28.4810, 24.6459, 97.8638

### Deuteranopia

24.8973, 24.2995, 57.4109



## Tritanopia

32.0107, 23.8023, 18.8267

# Trichromacy



## Original Color

41.0451, 23.9949, 62.1427



## Protanomaly

28.8345, 21.6833, 83.5545



## Deuteranomaly

28.3550, 22.3186, 58.6906



## Tritanomaly

34.4300, 23.3412, 30.7076

# Monochromacy



## Original Color

41.0451, 23.9949, 62.1427



## Achromatopsia

22.2940, 23.4551, 25.5426



## Achromatomaly

26.9482, 21.9254, 36.0694

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.0451, 23.9949, 62.1427 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(211, 79, 208)` looks like.

```
.text, #text, p{  
    color:rgb(211, 79, 208)  
}
```

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(211, 79, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 79, 208) }
```

## Border

The CSS property to change the border of an element to XYZ 41.0451, 23.9949, 62.1427 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(211, 79, 208) }
```



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

```
.border{ border-color:rgb(211, 79, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 79, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 79, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 79, 208);  
box-shadow:4px 4px 4px 4px rgb(211, 79,  
208) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.0451, 23.9949, 62.1427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 79, 208) }
```

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

```
.background{ background-color: rgb(211, 79,  
208) }
```

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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