

# Converting Colors

XYZ(40.6941, 22.1350, 69.5480)

Have a look what the booklet for  
XYZ(40.6941, 22.1350, 69.5480)  
contains.

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# Color

**XYZ(40.7082, 22.1322,  
69.8365)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D03FDC
RGB	208, 63, 220
RGB Percent	82%, 25%, 86%
CMY	0.1843, 0.7529, 0.1373
CMYK	0.05, 0.71, 0.00, 0.14
HSL	295°, 69%, 55%
HSV	295°, 71%, 86%
XYZ	40.7082, 22.1322, 69.8365
YIQ	124.2530, 36.0230, 79.5670

# Conversions

## Conversions Part 2

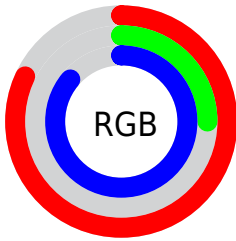
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	208, 63, 220
Decimal	13647836
CIE <sub>Lab</sub>	54.17, 74.45, -51.50
CIE <sub>LCh</sub>	54, 90.527, 325.325
Yxy	22.1322, 0.3068, 0.1668
Android (android.graphics.Color)	4291837916 (0xFFD03FDC)
YUV	124.2530, 47.2033, 73.4461
Hunter-Lab	47.0449, 72.1286, -55.0826

# Details

The XYZ color **40.7082, 22.1322, 69.8365** 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 **29.3927, 53.0416, 13.3924**, and the grayscale version is **19.0828, 20.0766, 21.8634**.

A 20% lighter version of the original color is **66.3730, 42.6459, 99.3410**, and **19.0953, 9.0699, 35.8662** is the 20% darker color. If you saturate the color by 10%, you get **39.2541, 19.9213, 69.4867**, and if you desaturate by 10%, it is **42.6555, 25.3205, 70.3496**.

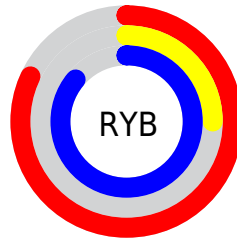
# Distribution



Red (82%)

Green (25%)

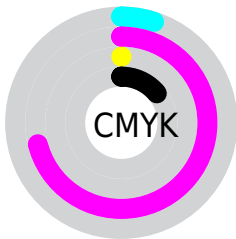
Blue (86%)



Red (82%)

Yellow (25%)

Blue (86%)

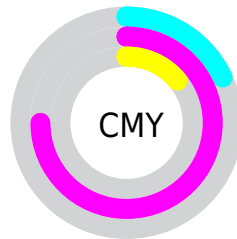


Cyan (5%)

Magenta (71%)

Yellow (0%)

Black (14%)



Cyan (18%)

Magenta (75%)


Yellow (14%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 40.7082, 22.1322, 69.8365 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 40.7082, 22.1322, 69.8365 by changing the saturation by 10% instead.





 40.7082, 22.1322,  
69.8365


 40.7082, 22.1322,  
69.8365


340.1830,  
263.2359, 478.7493


 28.2778, 13.9541,  
50.9173

 75.5182, 46.9644,  
120.6545

 18.6767, 8.0887,  
35.7665


 98.6286, 64.3873,  
153.3903


 11.5395, 4.1518,  
23.9657


 126.0297, 85.6605,  
191.5688

 6.5009, 1.7588,  
15.0962


 158.0868,  
111.1685, 235.6084

 3.1955, 0.4613,  
8.7395

 195.1653,  
141.2956, 285.9277

 1.2580, 0.0000,  
4.4772

237.6307,

 0.1514, 0.0000,

176.4263, 342.9453

1.8906

285.8481,  
216.9449, 407.0797

■ 0.0000, 0.0000,  
0.4868

■ 0.0000, 0.0000,  
0.0000

■ 40.7082, 22.1322,  
69.8365

■ 40.7082, 22.1322,  
69.8365

■ 39.2541, 19.9213,  
69.4867

■ 42.6555, 25.3205,  
70.3496


■ 38.2286, 18.5611,  
69.2782


■ 45.1452, 29.5868,  
71.0419


■ 37.5977, 17.8900,  
69.1819

■ 48.2233, 35.0225,  
71.9288


■ 51.9303, 41.7084,  
73.0239

 56.3030, 49.7182,  
74.3395

 61.3753, 59.1198,  
75.8869

 67.1790, 69.9764,  
77.6765

 73.7437, 82.3475,  
79.7184

 79.1512, 92.3967,  
81.3731

# Harmonies

## Analogous

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



30.1948, 22.1322, 113.5271



40.7082, 22.1322, 69.8365



46.0373, 22.1322, 28.7812

# Triad

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



40.7082, 22.1322, 69.8365



22.6132, 22.1322, 0.2213



8.1649, 22.1322, 55.4364

# Complementary

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



40.7082, 22.1322, 69.8365



29.3927, 53.0416, 13.3924

# 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.



7.2674, 22.1322, 19.9529



40.7082, 22.1322, 69.8365



13.9463, 22.1322, 0.8085

# Square

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



40.7082, 22.1322, 69.8365



33.7162, 22.1322, 1.3710



9.0117, 22.1322, 4.5642



12.0157, 22.1322, 101.5828



# Rectangle

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



40.7082, 22.1322, 69.8365



45.0186, 22.1322, 12.4415



9.0117, 22.1322, 4.5642



7.5713, 22.1322, 41.4105

# Sweetspot

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



40.7091, 22.1332, 69.8370



78.7920, 69.6954, 103.9075



17.5592, 11.4055, 68.9864



16.4790, 14.2076, 22.1238



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.



40.7091, 22.1332, 69.8370



54.0122, 26.6823, 96.9112



37.1749, 21.1241, 32.9465



13.5111, 13.2216, 16.4920



22.1083, 10.5214, 40.6040



1.4621, 0.6970, 2.6319



# Inverse Universe

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



32.5633, 19.2795, 8.6625



42.4921, 22.7558, 5.4562



31.5676, 53.8132, 29.2907



13.0962, 13.0676, 13.7680



17.3965, 8.9596, 1.2018

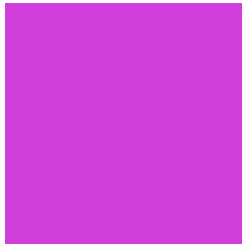


1.1414, 0.5862, 0.1537



# Previews

## White Background



This preview shows how the XYZ color 40.7082, 22.1322, 69.8365 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

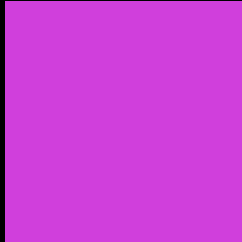
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 40.7082, 22.1322, 69.8365 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

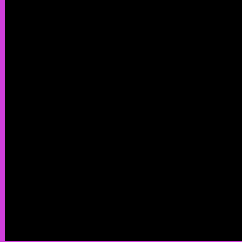
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 40.7082, 22.1322, 69.8365**

## **Background**



This preview shows how black text looks on a background with the XYZ color 40.7082, 22.1322, 69.8365.



This preview shows how white text looks on a background with the XYZ color 40.7082, 22.1322,

69.8365.

# 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

40.7082, 22.1322, 69.8365

### Protanopia

26.7298, 22.7701, 97.5940

### Deuteranopia

23.0585, 22.4077, 63.4314



## Tritanopia

29.6621, 21.8808, 17.1281

# Trichromacy



## Original Color

40.7082, 22.1322, 69.8365



## Protanomaly

26.8211, 19.1755, 86.2920



## Deuteranomaly

26.0664, 19.7014, 65.3797



## Tritanomaly

32.3862, 21.1284, 30.8050

# Monochromacy



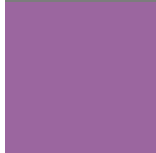
## Original Color

40.7082, 22.1322, 69.8365



## Achromatopsia

19.1579, 20.1556, 21.9495



## Achromatomaly

24.5269, 18.9745, 35.1706

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 40.7082, 22.1322, 69.8365 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(208, 63, 220)` looks like.

```
.text, #text, p{  
    color:rgb(208, 63, 220)  
}
```

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(208, 63, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 63, 220) }
```

## Border

The CSS property to change the border of an element to XYZ 40.7082, 22.1322, 69.8365 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(208, 63, 220) }
```



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

```
.border{ border-color:rgb(208, 63, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 63, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 63, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 63, 220);  
box-shadow:4px 4px 4px 4px rgb(208, 63,  
220) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.7082, 22.1322, 69.8365 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 63, 220) }
```

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

```
.background{ background-color: rgb(208, 63,  
220) }
```

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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