

# Converting Colors

XYZ(41.0403, 19.6540, 69.8260)

Have a look what the booklet for  
XYZ(41.0403, 19.6540, 69.8260)  
contains.

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# Color

**XYZ(41.0755, 19.6675,  
70.0379)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D700DD
RGB	215, 0, 221
RGB Percent	84%, 0%, 87%
CMY	0.1569, 0.9999, 0.1333
CMYK	0.03, 1.00, 0.00, 0.13
HSL	298°, 100%, 43%
HSV	298°, 100%, 87%
XYZ	41.0755, 19.6675, 70.0379
YIQ	89.4790, 57.1990, 114.3110

# Conversions

## Conversions Part 2

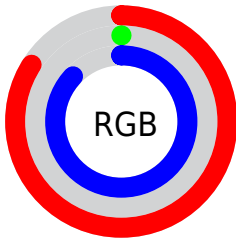
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	215, 0, 221
Decimal	14090461
CIE <sub>Lab</sub>	51.46, 87.25, -56.34
CIE <sub>LCh</sub>	51, 103.858, 327.150
Yxy	19.6675, 0.3141, 0.1504
Android (android.graphics.Color)	4292280541 (0xFFD700DD)
YUV	89.4790, 64.8399, 110.0819
Hunter-Lab	44.3481, 87.7189, -62.5917

# Details

The XYZ color **41.0755, 19.6675, 70.0379** 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 **25.9321, 51.7520, 8.6232**, and the grayscale version is **9.4570, 9.9495, 10.8350**.

A 20% lighter version of the original color is **63.4729, 36.8457, 98.3743**, and **20.3091, 9.6852, 36.3963** is the 20% darker color. If you saturate the color by 10%, you get **41.0758, 19.6677, 70.0382**, and if you desaturate by 10%, it is **41.5419, 20.3375, 70.1429**.

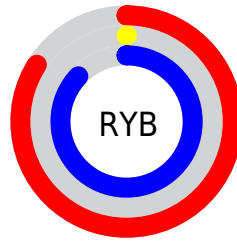
# Distribution



Red (84%)

Green (0%)

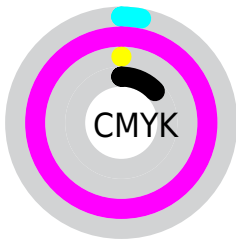
Blue (87%)



Red (84%)

Yellow (0%)

Blue (87%)

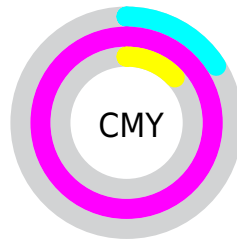


Cyan (3%)

Magenta (100%)

Yellow (0%)

Black (13%)



Cyan (16%)

Magenta (100%)


Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.0755, 19.6675, 70.0379 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 41.0755, 19.6675, 70.0379 by changing the saturation by 10% instead.



 41.0755, 19.6675,  
70.0379


 41.0755, 19.6675,  
70.0379

341.6933,  
250.1094, 479.4758


 28.5660, 12.1536,  
51.0804

 76.0725, 42.8590,  
120.9444


 18.8954, 6.8484,  
35.8955


 99.2907, 59.3054,  
153.7306


 11.6983, 3.3674,  
24.0644


 126.8092, 79.4981,  
191.9633

 6.6093, 1.3264,  
15.1688

 158.9933,  
103.8214, 236.0613

 3.2631, 0.1615,  
8.7900

 196.2084,  
132.6598, 286.4430

 1.2944, 0.0000,  
4.5095

 238.8199,

 0.1790, 0.0000,

166.3977, 343.5269

1.9088

287.1930,  
205.4194, 407.7317

■ 0.0000, 0.0000,  
0.4983

■ 0.0000, 0.0000,  
0.0000

■ 41.0755, 19.6675,  
70.0379

■ 41.0755, 19.6675,  
70.0379

■ 41.0758, 19.6677,  
70.0382

■ 41.5419, 20.3375,  
70.1429

■ 42.3389, 21.6685,  
70.3578

■ 43.5749, 23.8766,  
70.7189

■ 45.3108, 27.0836,  
71.2464

■ 47.5980, 31.3921,  
71.9575

■ 50.4814, 36.8919,  
72.8671

■ 54.0012, 43.6638,  
73.9887

■ 58.1943, 51.7812,  
75.3345

■ 63.0947, 61.3122,  
76.9159

# Harmonies

## Analogous

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



29.4047, 19.6675, 123.7599



41.0755, 19.6675, 70.0379



46.6847, 19.6675, 24.3950

# Triad

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



41.0755, 19.6675, 70.0379



19.7070, 19.6675, 0.0000



5.9344, 19.6675, 59.7080

# Complementary

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



41.0755, 19.6675, 70.0379



25.9321, 51.7520, 8.6232

# 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.



4.9757, 19.6675, 18.6873



41.0755, 19.6675, 70.0379



10.9617, 19.6675, 0.0000

# Square

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



41.0755, 19.6675, 70.0379



31.7998, 19.6675, 0.1029



6.4100, 19.6675, 2.9358



9.7972, 19.6675, 114.8007



# Rectangle

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



41.0755, 19.6675, 70.0379



45.1089, 19.6675, 8.5617



6.4100, 19.6675, 2.9358



5.3427, 19.6675, 43.1760

# Sweetspot

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



41.0763, 19.6684, 70.0383



74.5502, 60.1284, 102.2845



13.1318, 5.3811, 68.7534



15.4923, 11.9748, 21.7448



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.



41.0763, 19.6684, 70.0383



56.7889, 27.1907, 96.8630



33.0821, 16.6779, 18.5775



13.5776, 13.2559, 16.4952



23.8780, 11.4337, 40.6868



1.5582, 0.7465, 2.6364



# Inverse Universe

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



29.8522, 15.3860, 1.5694



41.2779, 21.2752, 2.1297



28.3125, 52.6955, 21.5499



13.0703, 13.0572, 13.6315



17.3480, 8.9402, 0.9465



1.1290, 0.5813, 0.0885



# Previews

## White Background



This preview shows how the XYZ color 41.0755, 19.6675, 70.0379 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

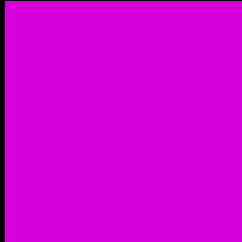
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 41.0755, 19.6675, 70.0379 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

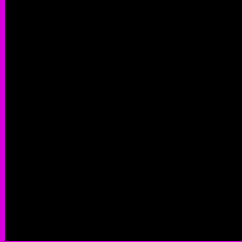
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 41.0755, 19.6675, 70.0379**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.0755, 19.6675, 70.0379.



This preview shows how white text looks on a background with the XYZ color 41.0755, 19.6675,



# 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

41.0755, 19.6675, 70.0379

### Protanopia

24.4461, 20.5248, 95.6017

### Deuteranopia

21.0335, 20.4146, 62.5063



## Tritanopia

29.4714, 20.0242, 12.6677

# Trichromacy



## Original Color

41.0755, 19.6675, 70.0379



## Protanomaly

21.6035, 13.1395, 84.6166



## Deuteranomaly

22.7641, 14.6064, 64.5703



## Tritanomaly

31.5534, 17.7476, 26.5735

# Monochromacy



## Original Color

41.0755, 19.6675, 70.0379



## Achromatopsia

9.4954, 9.9899, 10.8790



## Achromatomaly

15.9702, 9.8833, 24.7329

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.0755, 19.6675, 70.0379 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(215, 0, 221)` looks like.

```
.text, #text, p{  
    color:rgb(215, 0, 221)  
}
```

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(215, 0, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 0, 221) }
```

## Border

The CSS property to change the border of an element to XYZ 41.0755, 19.6675, 70.0379 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(215, 0, 221) }
```



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

```
.border{ border-color:rgb(215, 0, 221) }
```

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

Here you see how a box with a 4 pixel rgb(215, 0, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 0, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 0, 221);  
box-shadow:4px 4px 4px 4px rgb(215, 0,  
221) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.0755, 19.6675, 70.0379 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 0, 221) }
```

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

```
.background{ background-color: rgb(215, 0,  
221) }
```

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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