

# Converting Colors

XYZ(43.2368, 20.7686, 70.7318)

Have a look what the booklet for  
XYZ(43.2368, 20.7686, 70.7318)  
contains.

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# Color

**XYZ(43.3090, 20.8035,  
70.8401)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DE00DE
RGB	222, 0, 222
RGB Percent	87%, 0%, 87%
CMY	0.1294, 0.9999, 0.1294
CMYK	0.00, 1.00, 0.00, 0.13
HSL	300°, 100%, 44%
HSV	300°, 100%, 87%
XYZ	43.3090, 20.8035, 70.8401
YIQ	91.6860, 61.0500, 116.1060

# Conversions

## Conversions Part 2

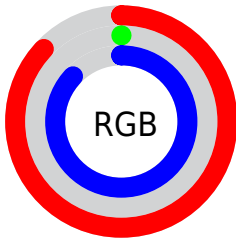
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	222, 0, 222
Decimal	14549214
CIE Lab	52.73, 88.49, -54.80
CIE LCh	53, 104.080, 328.233
Yxy	20.8035, 0.3209, 0.1542
Android (android.graphics.Color)	4292739294 (0xFFDE00DE)
YUV	91.6860, 64.2448, 114.2854
Hunter-Lab	45.6109, 89.6726, -60.1581

# Details

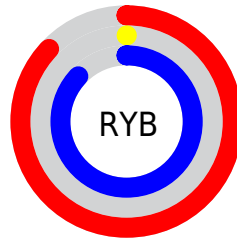
The XYZ color **43.3090, 20.8035, 70.8401** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **26.1222, 52.2436, 8.7082**, and the grayscale version is **9.9528, 10.4711, 11.4030**.

A 20% lighter version of the original color is **63.5647, 37.0294, 98.4049**, and **21.7832, 10.4346, 36.9424** is the 20% darker color. If you saturate the color by 10%, you get **43.3095, 20.8038, 70.8404**, and if you desaturate by 10%, it is **43.6009, 21.3865, 70.9376**.

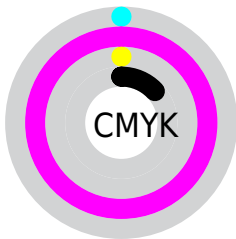
# Distribution



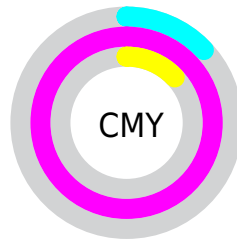
- Red (87%)
- Green (0%)
- Blue (87%)



- Red (87%)
- Yellow (0%)
- Blue (87%)



- Cyan (0%)
- Magenta (100%)
- Yellow (0%)
- Black (13%)




- Cyan (13%)
- Magenta (100%)
- Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.3090, 20.8035, 70.8401 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 43.3090, 20.8035, 70.8401 by changing the saturation by 10% instead.




 43.3090, 20.8035,  
70.8401

 43.3090, 20.8035,  
70.8401

350.7810,  
256.2324, 482.3629


 30.3232, 12.9804,  
51.7307

 79.4298, 44.7603,  
122.0983

 20.2333, 7.4151,  
36.4097


 103.2954, 61.6628,  
155.0843


 12.6740, 3.7230,  
24.4586


 131.5184, 82.3606,  
193.5328

 7.2799, 1.5199,  
15.4588

 164.4641,  
107.2380, 237.8624

 3.6856, 0.3026,  
8.9918

 202.4979,  
136.6795, 288.4916

 1.5259, 0.0000,  
4.6391

 245.9851,

 0.3433, 0.0000,

171.0695, 345.8391

1.9821

295.2910,  
210.7923, 410.3234

■ 0.0000, 0.0000,  
0.5442

■ 0.0000, 0.0000,  
0.0000

■ 43.3090, 20.8035,  
70.8401

■ 43.3090, 20.8035,  
70.8401

■ 43.3095, 20.8038,  
70.8404

■ 43.6009, 21.3865,  
70.9376

■ 44.2264, 22.6375,  
71.1462

■ 45.2949, 24.7746,  
71.5024

■ 46.8680, 27.9208,  
72.0268

■ 48.9976, 32.1799,  
72.7368

■ 51.7291, 37.6428,  
73.6473

■ 55.1032, 44.3910,  
74.7721

■ 59.1572, 52.4989,  
76.1235

■ 63.9254, 62.0353,  
77.7130

# Harmonies

## Analogous

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



31.3601, 20.8035, 126.4143



43.3090, 20.8035, 70.8401



48.7724, 20.8035, 24.5426

# Triad

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



43.3090, 20.8035, 70.8401



20.4228, 20.8035, 0.0000



6.5094, 20.8035, 64.2381

# Complementary

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



43.3090, 20.8035, 70.8401



26.1222, 52.2436, 8.7082

# 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.



5.4017, 20.8035, 20.8601



43.3090, 20.8035, 70.8401



11.4626, 20.8035, 0.0000

# Square

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



43.3090, 20.8035, 70.8401



32.8986, 20.8035, 0.1701



6.8207, 20.8035, 3.5198



10.7059, 20.8035, 120.7107



# Rectangle

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



43.3090, 20.8035, 70.8401



46.9049, 20.8035, 8.6396



6.8207, 20.8035, 3.5198



5.8499, 20.8035, 46.9254

# Sweetspot

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



43.3099, 20.8045, 70.8405



75.3100, 60.5201, 102.3197



13.1858, 5.2749, 69.4314



15.6777, 12.0703, 21.7534



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.



43.3099, 20.8045, 70.8405



59.2898, 28.4799, 96.9790



32.9952, 16.6786, 16.5240



14.2951, 13.9357, 17.3241



25.7246, 12.3569, 42.0772



1.7831, 0.8565, 2.9166



# Inverse Universe

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



43.3099, 20.8045, 70.8405



59.2898, 28.4799, 96.9790



28.9922, 53.3916, 23.8214



14.2951, 13.9357, 17.3241



25.7246, 12.3569, 42.0772



1.7831, 0.8565, 2.9166



# Previews

## White Background



This preview shows how the XYZ color 43.3090, 20.8035, 70.8401 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

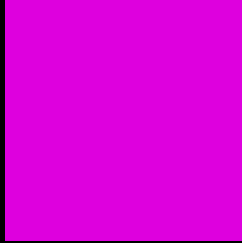
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 43.3090, 20.8035, 70.8401 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

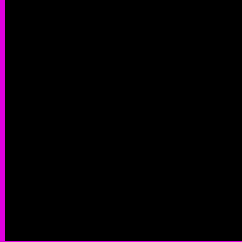
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# XYZ 43.3090, 20.8035, 70.8401

## Background



This preview shows how black text looks on a background with the XYZ color 43.3090, 20.8035, 70.8401.



This preview shows how white text looks on a background with the XYZ color 43.3090, 20.8035,



# 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

43.3090, 20.8035, 70.8401

### Protanopia

25.7602, 21.7093, 97.4403

### Deuteranopia

22.2083, 21.5783, 63.3161



## Tritanopia

31.3964, 21.0166, 12.7578

# Trichromacy



## Original Color

43.3090, 20.8035, 70.8401



## Protanomaly

24.3815, 14.7446, 86.3550



## Deuteranomaly

24.1333, 15.4070, 65.3202



## Tritanomaly

33.5404, 18.7720, 26.6665

# Monochromacy



## Original Color

43.3090, 20.8035, 70.8401



## Achromatopsia

10.1725, 10.7023, 11.6548



## Achromatomaly

16.8716, 10.4810, 25.5599

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.3090, 20.8035, 70.8401 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(222, 0, 222)` looks like.

```
.text, #text, p{  
    color:rgb(222, 0, 222)  
}
```

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(222, 0, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 0, 222) }
```

## Border

The CSS property to change the border of an element to XYZ 43.3090, 20.8035, 70.8401 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(222, 0, 222) }
```



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

```
.border{ border-color:rgb(222, 0, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 0, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 0, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 0, 222);  
box-shadow:4px 4px 4px 4px rgb(222, 0,  
222) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.3090, 20.8035, 70.8401 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 0, 222) }
```

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

```
.background{ background-color: rgb(222, 0,  
222) }
```

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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