

# Converting Colors

XYZ(47.3115, 22.8671, 71.0150)

Have a look what the booklet for  
XYZ(47.3115, 22.8671, 71.0150)  
contains.

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# Color

**XYZ(47.4458, 22.9361,  
71.0337)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EB00DE
RGB	235, 0, 222
RGB Percent	92%, 0%, 87%
CMY	0.0784, 0.9998, 0.1294
CMYK	0.00, 1.00, 0.06, 0.08
HSL	303°, 100%, 46%
HSV	303°, 100%, 92%
XYZ	47.4458, 22.9361, 71.0337
YIQ	95.5730, 68.7980, 118.8620

# Conversions

## Conversions Part 2

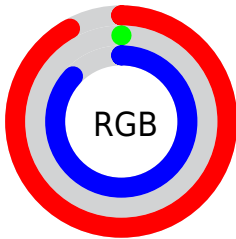
Format	Color
R <sub>Y</sub> B	235, 0, 222
Decimal	15401182
CIE Lab	55.01, 90.57, -51.03
CIE LCh	55, 103.960, 330.600
Yxy	22.9361, 0.3355, 0.1622
Android (android.graphics.Color)	4293591262 (0xFFEB00DE)
YUV	95.5730, 62.3285, 122.2775
Hunter-Lab	47.8916, 93.0279, -54.4158

# Details

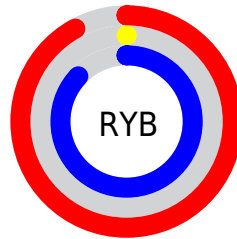
The XYZ color **47.4458, 22.9361, 71.0337** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light washed magenta. A complement of this color would be **29.7821, 59.4469, 10.2869**, and the grayscale version is **10.8636, 11.4294, 12.4466**.

A 20% lighter version of the original color is **63.8472, 37.5943, 98.4991**, and **24.3385, 11.7518, 37.0619** is the 20% darker color. If you saturate the color by 10%, you get **47.4460, 22.9362, 71.0325**, and if you desaturate by 10%, it is **47.9385, 23.6408, 72.0613**.

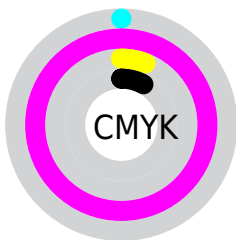
# Distribution



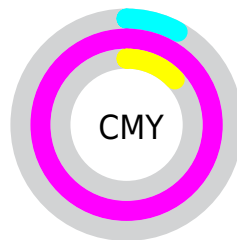
- Red (92%)
- Green (0%)
- Blue (87%)



- Red (92%)
- Yellow (0%)
- Blue (87%)



- Cyan (0%)
- Magenta (100%)
- Yellow (6%)
- Black (8%)




- Cyan (8%)
- Magenta (100%)
- Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.4458, 22.9361, 71.0337 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 47.4458, 22.9361, 71.0337 by changing the saturation by 10% instead.





 47.4458, 22.9361,  
71.0337


 47.4458, 22.9361,  
71.0337


367.2104,  
267.3966, 483.0581


 33.5976, 14.5463,  
51.8877

 85.5934, 48.2884,  
122.3766


 22.7461, 8.5016,  
36.5339


 110.6235, 66.0197,  
155.4106


 14.5258, 4.4176,  
24.5539


 140.1117, 87.6336,  
193.9110

 8.5714, 1.9098,  
15.5290

 174.4232,  
113.5146, 238.2964

 4.5176, 0.5542,  
9.0408

 213.9235,  
144.0470, 288.9852

 1.9989, 0.0000,  
4.6706

258.9779,

 0.6333, 0.0000,

179.6152, 346.3961

2.0000

309.9518,  
220.6036, 410.9475

■ 0.0000, 0.0000,  
0.5553

■ 0.0000, 0.0000,  
0.0000

■ 47.4458, 22.9361,  
71.0337

■ 47.4458, 22.9361,  
71.0337

■ 47.4460, 22.9362,  
71.0325

■ 47.9385, 23.6408,  
72.0613

■ 48.8157, 25.1131,  
73.2236

■ 50.1994, 27.5961,  
74.5613

■ 52.1607, 31.2321,  
76.0983

■ 54.7592, 36.1406,  
77.8544

■ 58.0474, 42.4261,  
79.8471

■ 62.0721, 50.1825,  
82.0920

■ 66.8761, 59.4953,  
84.6033

■ 72.4989, 70.4435,  
87.3944

# Harmonies

## Analogous

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



35.1761, 22.9361, 129.5125



47.4458, 22.9361, 71.0337



52.4123, 22.9361, 24.3133

# Triad

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



47.4458, 22.9361, 71.0337



21.5683, 22.9361, 0.0000



7.7247, 22.9361, 73.3752

# Complementary

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



47.4458, 22.9361, 71.0337



29.7821, 59.4469, 10.2869

# 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.



6.2774, 22.9361, 25.6456



47.4458, 22.9361, 71.0337



12.3345, 22.9361, 0.3744

# Square

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



47.4458, 22.9361, 71.0337



34.6247, 22.9361, 0.2983



7.6088, 22.9361, 4.9521



12.6122, 22.9361, 131.5186



# Rectangle

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



47.4458, 22.9361, 71.0337



49.9064, 22.9361, 8.6110



7.6088, 22.9361, 4.9521



6.9168, 22.9361, 54.7118

# Sweetspot

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



47.4467, 22.9372, 71.0341



74.6359, 60.2505, 98.7702



15.1447, 6.0757, 78.9728



15.5134, 12.0046, 20.8882



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.



47.4467, 22.9372, 71.0341



57.1008, 27.6043, 85.4518



36.8515, 18.6991, 15.2407



15.6767, 15.2985, 18.8489



26.4215, 12.7713, 39.6167



2.0858, 1.0073, 3.1689



# Inverse Universe

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



47.4467, 22.9372, 71.0341



57.1008, 27.6043, 85.4518



33.6895, 61.0098, 30.8630



15.6767, 15.2985, 18.8489



26.4215, 12.7713, 39.6167



2.0858, 1.0073, 3.1689



# Previews

## White Background



This preview shows how the XYZ color 47.4458, 22.9361, 71.0337 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

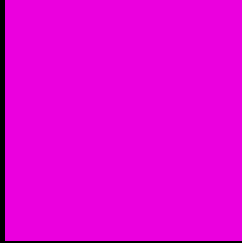
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 47.4458, 22.9361, 71.0337 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

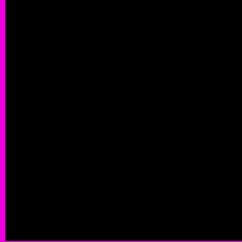
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 47.4458, 22.9361, 71.0337**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.4458, 22.9361, 71.0337.



This preview shows how white text looks on a background with the XYZ color 47.4458, 22.9361,



# 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

47.4458, 22.9361, 71.0337

### Protanopia

27.7039, 23.8503, 97.7512

### Deuteranopia

24.3098, 23.6538, 63.6060



## Tritanopia

35.5082, 23.1363, 12.9502

# Trichromacy



## Original Color

47.4458, 22.9361, 71.0337



## Protanomaly

27.3633, 16.7166, 86.5784



## Deuteranomaly

26.8877, 17.2813, 65.5368



## Tritanomaly

37.7784, 20.9567, 26.8649

# Monochromacy



## Original Color

47.4458, 22.9361, 71.0337



## Achromatopsia

11.1181, 11.6971, 12.7381



## Achromatomaly

18.5839, 11.4935, 26.8302

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.4458, 22.9361, 71.0337 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(235, 0, 222)` looks like.

```
.text, #text, p{  
    color:rgb(235, 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(235, 0, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 0, 222) }
```

## Border

The CSS property to change the border of an element to XYZ 47.4458, 22.9361, 71.0337 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(235, 0, 222) }
```



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

```
.border{ border-color:rgb(235, 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(235, 0, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 0, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 0, 222);  
box-shadow:4px 4px 4px 4px rgb(235, 0,  
222) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.4458, 22.9361, 71.0337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 0, 222) }
```

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

```
.background{ background-color: rgb(235, 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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