

# Converting Colors

XYZ(44.7484, 21.5570, 70.3900)

Have a look what the booklet for  
XYZ(44.7484, 21.5570, 70.3900)  
contains.

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# Color

**XYZ(44.7297, 21.5514,  
70.2089)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E300DD
RGB	227, 0, 221
RGB Percent	89%, 0%, 87%
CMY	0.1098, 0.9998, 0.1333
CMYK	0.00, 1.00, 0.03, 0.11
HSL	302°, 100%, 45%
HSV	302°, 100%, 89%
XYZ	44.7297, 21.5514, 70.2089
YIQ	93.0670, 64.3510, 116.8550

# Conversions

## Conversions Part 2

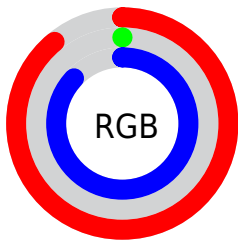
Format	Color
<b>R<sub>YB</sub></b>	227, 0, 221
Decimal	14876893
CIE <sub>Lab</sub>	53.55, 89.14, -52.88
CIE <sub>LCh</sub>	54, 103.644, 329.325
Yxy	21.5514, 0.3277, 0.1579
Android (android.graphics.Color)	4293066973 (0xFFE300DD)
YUV	93.0670, 63.0710, 117.4592
Hunter-Lab	46.4235, 90.7462, -57.1712

# Details

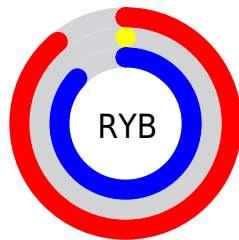
The XYZ color **44.7297, 21.5514, 70.2089** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light washed magenta. A complement of this color would be **27.5030, 54.9524, 9.3308**, and the grayscale version is **10.2726, 10.8076, 11.7695**.

A 20% lighter version of the original color is **63.6577, 37.2154, 98.4359**, and **22.7279, 10.9321, 36.5095** is the 20% darker color. If you saturate the color by 10%, you get **44.7300, 21.5515, 70.2085**, and if you desaturate by 10%, it is **45.1115, 22.1861, 70.7316**.

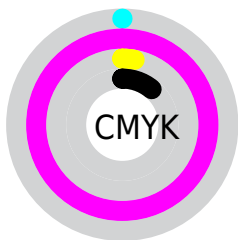
# Distribution



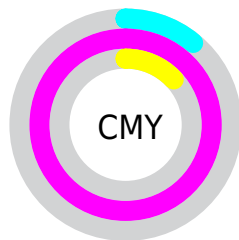
- Red (89%)
- Green (0%)
- Blue (87%)



- Red (89%)
- Yellow (0%)
- Blue (87%)



- Cyan (0%)
- Magenta (100%)
- Yellow (3%)
- Black (11%)




- Cyan (11%)
- Magenta (100%)
- Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.7297, 21.5514, 70.2089 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 44.7297, 21.5514, 70.2089 by changing the saturation by 10% instead.




 44.7297, 21.5514,  
70.2089

 44.7297, 21.5514,  
70.2089


356.4799,  
260.1945, 480.0921


 31.4449, 13.5276,  
51.2190


 81.5542, 46.0034,  
121.1905


 21.0914, 7.7929,  
36.0050


 105.8247, 63.2005,  
154.0193


 13.3037, 3.9627,  
24.1483


 134.4878, 84.2241,  
192.2982

 7.7164, 1.6527,  
15.2305

 167.9088,  
109.4587, 236.4456

 3.9643, 0.3928,  
8.8329

 206.4532,  
139.2887, 286.8802

 1.6820, 0.0000,  
4.5370

250.4863,

 0.4449, 0.0000,

174.0983, 344.0204

1.9243

300.3734,  
214.2722, 408.2849

■ 0.0000, 0.0000,  
0.5081

■ 0.0000, 0.0000,  
0.0000

■ 44.7297, 21.5514,  
70.2089

■ 44.7297, 21.5514,  
70.2089

■ 44.7300, 21.5515,  
70.2085

■ 45.1115, 22.1861,  
70.7316

■ 45.8459, 23.5263,  
71.3731

■ 47.0470, 25.7992,  
72.1715

■ 48.7798, 29.1352,  
73.1486

■ 51.0992, 33.6440,  
74.3227

■ 54.0532, 39.4215,  
75.7097

■ 57.6849, 46.5539,  
77.3240

■ 62.0335, 55.1198,  
79.1787

■ 67.1355, 65.1917,  
81.2860

# Harmonies

## Analogous

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



32.7510, 21.5514, 126.5364



44.7297, 21.5514, 70.2089



49.9197, 21.5514, 24.1900

# Triad

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



44.7297, 21.5514, 70.2089



20.7353, 21.5514, 0.0000



6.9829, 21.5514, 67.6623

# Complementary

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



44.7297, 21.5514, 70.2089



27.5030, 54.9524, 9.3308

# 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.



5.7374, 21.5514, 22.7563



44.7297, 21.5514, 70.2089



11.7409, 21.5514, 0.1371

# Square

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



44.7297, 21.5514, 70.2089



33.3474, 21.5514, 0.2225



7.1058, 21.5514, 4.0998



11.4443, 21.5514, 124.3448



# Rectangle

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



44.7297, 21.5514, 70.2089



47.7857, 21.5514, 8.5402



7.1058, 21.5514, 4.0998



6.2646, 21.5514, 49.9107

# Sweetspot

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



44.7306, 21.5524, 70.2093



74.9861, 60.3905, 100.6139



13.9136, 5.5716, 73.0161



15.5987, 12.0387, 21.3373



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.



44.7306, 21.5524, 70.2093



58.2233, 28.0533, 91.3629



34.4796, 17.4520, 16.2283



14.9778, 14.6083, 18.0835



26.0936, 12.5717, 40.9835



1.9335, 0.9311, 3.0562



# Inverse Universe

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



44.7306, 21.5524, 70.2093



58.2233, 28.0533, 91.3629



30.6986, 56.2306, 26.1587



14.9778, 14.6083, 18.0835



26.0936, 12.5717, 40.9835



1.9335, 0.9311, 3.0562



# Previews

## White Background



This preview shows how the XYZ color 44.7297, 21.5514, 70.2089 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

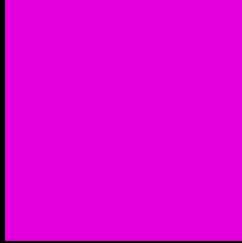
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 44.7297, 21.5514, 70.2089 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

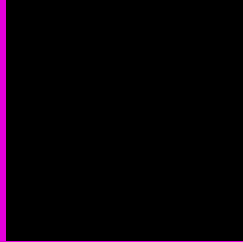
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 44.7297, 21.5514, 70.2089**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.7297, 21.5514, 70.2089.



This preview shows how white text looks on a background with the XYZ color 44.7297, 21.5514,



# 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

44.7297, 21.5514, 70.2089

### Protanopia

26.4223, 22.4227, 97.5431

### Deuteranopia

23.0240, 22.4041, 62.7854



## Tritanopia

33.0715, 21.8852, 12.6064

# Trichromacy



## Original Color

44.7297, 21.5514, 70.2089



## Protanomaly

25.6019, 15.5879, 86.4534



## Deuteranomaly

25.2568, 16.2248, 64.7513



## Tritanomaly

35.2398, 19.6565, 26.3628

# Monochromacy



## Original Color

44.7297, 21.5514, 70.2089



## Achromatopsia

10.4043, 10.9462, 11.9204



## Achromatomaly

17.4529, 10.7722, 25.9703

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.7297, 21.5514, 70.2089 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(227, 0, 221)` looks like.

```
.text, #text, p{  
    color:rgb(227, 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(227, 0, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 0, 221) }
```

## Border

The CSS property to change the border of an element to XYZ 44.7297, 21.5514, 70.2089 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(227, 0, 221) }
```



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

```
.border{ border-color:rgb(227, 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(227, 0, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 0, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 0, 221);  
box-shadow:4px 4px 4px 4px rgb(227, 0,  
221) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.7297, 21.5514, 70.2089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 0, 221) }
```

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

```
.background{ background-color: rgb(227, 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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