

# Converting Colors

XYZ(43.5780, 19.5939, 73.3435)

Have a look what the booklet for  
XYZ(43.5780, 19.5939, 73.3435)  
contains.

<b>XYZ(44.4679, 21.3383, 73.7265)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(44.4679, 21.3383,  
73.7265)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E000E2
RGB	224, 0, 226
RGB Percent	88%, 0%, 89%
CMY	0.1216, 0.9999, 0.1137
CMYK	0.01, 1.00, 0.00, 0.11
HSL	299°, 100%, 44%
HSV	299°, 100%, 89%
XYZ	44.4679, 21.3383, 73.7265
YIQ	92.7400, 60.9580, 117.7740

# Conversions

## Conversions Part 2

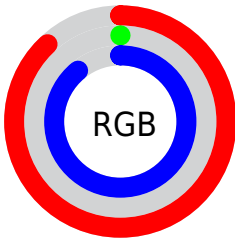
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	224, 0, 226
Decimal	14680290
CIE <sub>Lab</sub>	53.32, 89.37, -56.11
CIE <sub>LCh</sub>	53, 105.526, 327.878
Yxy	21.3383, 0.3187, 0.1529
Android (android.graphics.Color)	4292870370 (0xFFE000E2)
YUV	92.7400, 65.6972, 115.1150
Hunter-Lab	46.1934, 90.9939, -62.2938

# Details

The XYZ color **44.4679, 21.3383, 73.7265** 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 **27.2221, 54.4061, 9.0677**, and the grayscale version is **10.1913, 10.7221, 11.6763**.

A 20% lighter version of the original color is **63.6577, 37.2154, 98.4359**, and **22.5655, 10.7948, 38.9245** is the 20% darker color. If you saturate the color by 10%, you get **44.4683, 21.3385, 73.7268**, and if you desaturate by 10%, it is **44.8296, 21.9689, 73.8294**.

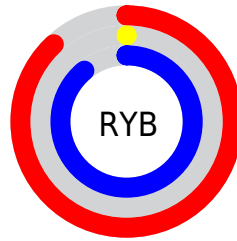
# Distribution



Red (88%)

Green (0%)

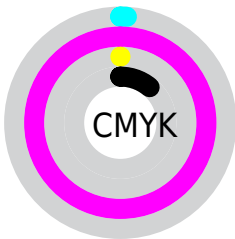
Blue (89%)



Red (88%)

Yellow (0%)

Blue (89%)

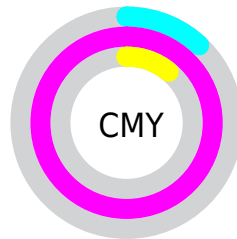


Cyan (1%)

Magenta (100%)

Yellow (0%)

Black (11%)



Cyan (12%)

Magenta (100%)


Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.4679, 21.3383, 73.7265 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 44.4679, 21.3383, 73.7265 by changing the saturation by 10% instead.




 44.4679, 21.3383,  
73.7265


 44.4679, 21.3383,  
73.7265


355.4343,  
259.0709, 492.6670


 31.2380, 13.3715,  
54.0748


 81.1634, 45.6499,  
126.2385


 20.9329, 7.6849,  
38.2679


 105.3596, 62.7635,  
159.9358


 13.1871, 3.8940,  
25.8872


 133.9421, 83.6948,  
199.1521

 7.6354, 1.6144,  
16.5143

 167.2760,  
108.8282, 244.3060

 3.9124, 0.3673,  
9.7305

 205.7269,  
138.5481, 295.8158

 1.6527, 0.0000,  
5.1174

 249.6600,

 0.4264, 0.0000,

173.2390, 354.1003

2.2564

299.4407,  
213.2851, 419.5778

■ 0.0000, 0.0000,  
0.7066

■ 0.0000, 0.0000,  
0.0000

■ 44.4679, 21.3383,  
73.7265

■ 44.4679, 21.3383,  
73.7265

■ 44.4683, 21.3385,  
73.7268

■ 44.8296, 21.9689,  
73.8294

■ 45.5399, 23.2973,  
74.0484

■ 46.7119, 25.5489,  
74.4212

■ 48.4099, 28.8527,  
74.9694

■ 50.6883, 33.3170,  
75.7111

■ 53.5945, 39.0368,  
76.6619

■ 57.1712, 46.0974,  
77.8362

■ 61.4571, 54.5764,  
79.2470

■ 66.4882, 64.5457,  
80.9061

# Harmonies

## Analogous

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



32.0805, 21.3383, 131.1420



44.4679, 21.3383, 73.7265



50.2272, 21.3383, 25.5879

# Triad

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



44.4679, 21.3383, 73.7265



21.0875, 21.3383, 0.0000



6.5992, 21.3383, 65.5276

# Complementary

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



44.4679, 21.3383, 73.7265



27.2221, 54.4061, 9.0677

# 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.



5.4944, 21.3383, 21.0287



44.4679, 21.3383, 73.7265



11.8013, 21.3383, 0.0000

# Square

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



44.4679, 21.3383, 73.7265



33.9880, 21.3383, 0.1786



6.9828, 21.3383, 3.4689



10.8665, 21.3383, 124.0498



# Rectangle

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



44.4679, 21.3383, 73.7265



48.3779, 21.3383, 8.9989



6.9828, 21.3383, 3.4689



5.9339, 21.3383, 47.7114

# Sweetspot

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



44.4688, 21.3393, 73.7269



75.0615, 60.3920, 102.3084



13.7692, 5.5738, 72.3019



15.6171, 12.0391, 21.7506



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.



44.4688, 21.3393, 73.7269



58.4649, 28.0546, 96.9414



34.5628, 17.4489, 18.3095



14.2824, 13.9291, 17.3235



25.3749, 12.1765, 42.0613



1.7628, 0.8460, 2.9156



# Inverse Universe

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



31.3757, 16.1741, 1.5267



41.2524, 21.2649, 1.9951



29.9708, 55.5027, 23.6727



13.7122, 13.7025, 14.2544



17.9017, 9.2277, 0.8823



1.2426, 0.6403, 0.0704



# Previews

## White Background



This preview shows how the XYZ color 44.4679, 21.3383, 73.7265 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

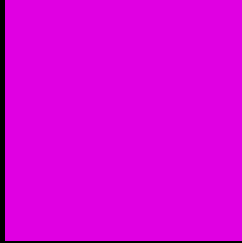
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 44.4679, 21.3383, 73.7265 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

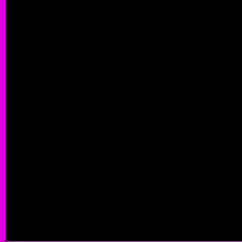
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 44.4679, 21.3383, 73.7265**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.4679, 21.3383, 73.7265.



This preview shows how white text looks on a background with the XYZ color 44.4679, 21.3383,

73.7265.

# 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

44.4679, 21.3383, 73.7265

### Protanopia

26.2981, 22.3586, 97.5373

### Deuteranopia

22.6356, 21.9498, 65.3311



## Tritanopia

32.2163, 21.6726, 13.3117

# Trichromacy



## Original Color

44.4679, 21.3383, 73.7265



## Protanomaly

25.3821, 15.4571, 87.2337



## Deuteranomaly

24.5949, 15.7115, 67.3820



## Tritanomaly

34.4454, 19.3565, 27.9073

# Monochromacy



## Original Color

44.4679, 21.3383, 73.7265



## Achromatopsia

10.4043, 10.9462, 11.9204



## Achromatomaly

17.3562, 10.7137, 26.3525

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.4679, 21.3383, 73.7265 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(224, 0, 226)` looks like.

```
.text, #text, p{  
    color:rgb(224, 0, 226)  
}
```

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(224, 0, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 0, 226) }
```

## Border

The CSS property to change the border of an element to XYZ 44.4679, 21.3383, 73.7265 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(224, 0, 226) }
```



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

```
.border{ border-color:rgb(224, 0, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 0, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 0, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 0, 226);  
box-shadow:4px 4px 4px 4px rgb(224, 0,  
226) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.4679, 21.3383, 73.7265 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 0, 226) }
```

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

```
.background{ background-color: rgb(224, 0,  
226) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor