

# Converting Colors

XYZ(44.3741, 21.4670, 66.6151)

Have a look what the booklet for  
XYZ(44.3741, 21.4670, 66.6151)  
contains.

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# Color

**XYZ(44.4004, 21.4736,  
66.7704)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E401D8
RGB	228, 1, 216
RGB Percent	89%, 0%, 85%
CMY	0.1059, 0.9959, 0.1529
CMYK	0.00, 1.00, 0.05, 0.11
HSL	303°, 99%, 45%
HSV	303°, 100%, 89%
XYZ	44.4004, 21.4736, 66.7704
YIQ	93.3830, 66.2770, 114.9890

# Conversions

## Conversions Part 2

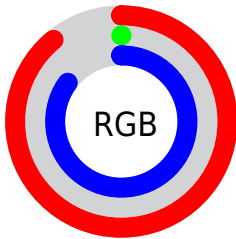
Format	Color
R <sub>Y</sub> B	228, 1, 216
Decimal	14942680
CIE Lab	53.46, 88.55, -50.15
CIE LCh	53, 101.762, 330.473
Yxy	21.4736, 0.3347, 0.1619
Android (android.graphics.Color)	4293132760 (0xFFE401D8)
YUV	93.3830, 60.4502, 118.0591
Hunter-Lab	46.3396, 89.9358, -52.9928

# Details

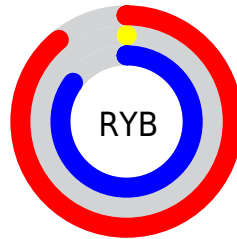
The XYZ color **44.4004, 21.4736, 66.7704** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light washed magenta. A complement of this color would be **27.8296, 55.5232, 9.6325**, and the grayscale version is **10.3518, 10.8909, 11.8602**.

A 20% lighter version of the original color is **63.6577, 37.2154, 98.4359**, and **22.4936, 10.8629, 34.1689** is the 20% darker color. If you saturate the color by 10%, you get **44.3828, 21.4492, 66.7296**, and if you desaturate by 10%, it is **44.8698, 22.1614, 67.6988**.

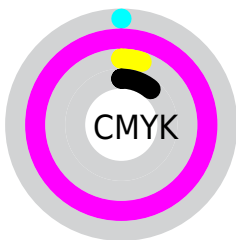
# Distribution



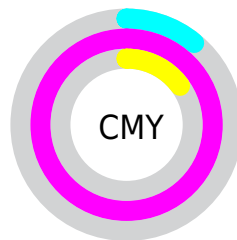
- Red (89%)
- Green (0%)
- Blue (85%)



- Red (89%)
- Yellow (0%)
- Blue (85%)



- Cyan (0%)
- Magenta (100%)
- Yellow (5%)
- Black (11%)




- Cyan (11%)
- Magenta (100%)
- Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.4004, 21.4736, 66.7704 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 44.4004, 21.4736, 66.7704 by changing the saturation by 10% instead.





 44.4004, 21.4736,  
66.7704

 44.4004, 21.4736,  
66.7704


355.1644,  
259.7848, 467.6063


 31.1847, 13.4706,  
48.4376


 81.0625, 45.8744,  
116.2289


 20.8920, 7.7534,  
33.8111


 105.2396, 63.0410,  
148.1917

 13.1571, 3.9376,  
22.4724


 133.8013, 84.0310,  
185.5349

 7.6146, 1.6387,  
14.0028

 167.1127,  
109.2287, 228.6771

 3.8990, 0.3835,  
7.9838

 205.5394,  
139.0186, 278.0368

 1.6452, 0.0000,  
3.9970

249.4467,

 0.4216, 0.0000,

173.7849, 334.0325

1.6237

299.1999,  
213.9122, 397.0828

■ 0.0000, 0.0000,  
0.3076

■ 0.0000, 0.0000,  
0.0000

■ 44.4004, 21.4736,  
66.7704

■ 44.4004, 21.4736,  
66.7704

■ 44.3828, 21.4492,  
66.7296

■ 44.8698, 22.1614,  
67.6988

■ 45.7063, 23.5821,  
68.7552

■ 47.0182, 25.9519,  
69.9756

■ 48.8709, 29.4014,  
71.3820

■ 51.3193, 34.0406,  
72.9927

■ 54.4119, 39.9661,  
74.8238

■ 58.1918, 47.2646,  
76.8898

■ 62.6988, 56.0153,  
79.2038

■ 67.9694, 66.2912,  
81.7780

# Harmonies

## Analogous

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



32.8871, 21.4736, 121.5467



44.4004, 21.4736, 66.7704



49.0932, 21.4736, 22.8926

# Triad

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



44.4004, 21.4736, 66.7704



20.2387, 21.4736, 0.0000



7.2151, 21.4736, 68.5001

# Complementary

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



44.4004, 21.4736, 66.7704



27.8296, 55.5232, 9.6325

# 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.



5.8715, 21.4736, 23.8765



44.4004, 21.4736, 66.7704



11.5709, 21.4736, 0.3128

# Square

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



44.4004, 21.4736, 66.7704



32.4799, 21.4736, 0.2540



7.1295, 21.4736, 4.5915



11.7759, 21.4736, 123.0289



# Rectangle

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



44.4004, 21.4736, 66.7704



46.7724, 21.4736, 8.1168



7.1295, 21.4736, 4.5915



6.4628, 21.4736, 51.0356

# Sweetspot

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



44.4012, 21.4746, 66.7708



74.6656, 60.2623, 98.9261



14.1721, 5.7051, 73.7538



15.5206, 12.0075, 20.9261



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.



44.4012, 21.4746, 66.7708



57.1945, 27.6418, 85.9453



34.4634, 17.4995, 14.4389



14.9605, 14.6014, 17.9922



25.6423, 12.3911, 38.6067



1.9050, 0.9197, 2.9064



# Inverse Universe

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



44.4012, 21.4746, 66.7708



57.1945, 27.6418, 85.9453



31.5142, 56.9971, 29.0350



14.9605, 14.6014, 17.9922



25.6423, 12.3911, 38.6067



1.9050, 0.9197, 2.9064



# Previews

## White Background



This preview shows how the XYZ color 44.4004, 21.4736, 66.7704 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

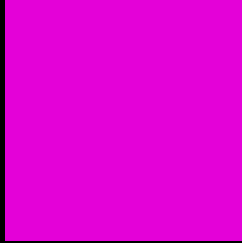
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 44.4004, 21.4736, 66.7704 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

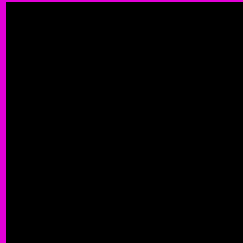
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 44.4004, 21.4736, 66.7704**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.4004, 21.4736, 66.7704.



This preview shows how white text looks on a background with the XYZ color 44.4004, 21.4736,



# 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

44.4004, 21.4736, 66.7704

### Protanopia

26.3799, 22.4008, 97.5412

### Deuteranopia

22.7496, 22.1362, 59.5736



## Tritanopia

33.1183, 21.6823, 12.1124

# Trichromacy



## Original Color

44.4004, 21.4736, 66.7704



## Protanomaly

25.1763, 15.4032, 84.8653



## Deuteranomaly

25.2177, 16.1641, 61.4654



## Tritanomaly

35.2783, 19.6316, 25.2224

# Monochromacy



## Original Color

44.4004, 21.4736, 66.7704



## Achromatopsia

10.4043, 10.9462, 11.9204



## Achromatomaly

17.3586, 10.8175, 25.2178

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.4004, 21.4736, 66.7704 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(228, 1, 216)` looks like.

```
.text, #text, p{  
    color:rgb(228, 1, 216)  
}
```

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(228, 1, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 1, 216) }
```

## Border

The CSS property to change the border of an element to XYZ 44.4004, 21.4736, 66.7704 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(228, 1, 216) }
```



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

```
.border{ border-color:rgb(228, 1, 216) }
```

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

Here you see how a box with a 4 pixel rgb(228, 1, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 1, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 1, 216);  
box-shadow:4px 4px 4px 4px rgb(228, 1,  
216) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.4004, 21.4736, 66.7704 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 1, 216) }
```

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

```
.background{ background-color: rgb(228, 1,  
216) }
```

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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