

# Converting Colors

XYZ(44.6790, 21.9126, 52.7268)

Have a look what the booklet for  
XYZ(44.6790, 21.9126, 52.7268)  
contains.

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# Color

**XYZ(44.6627, 21.8996,  
52.9120)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ED00C2
RGB	237, 0, 194
RGB Percent	93%, 0%, 76%
CMY	0.0706, 0.9998, 0.2392
CMYK	0.00, 1.00, 0.18, 0.07
HSL	311°, 100%, 46%
HSV	311°, 100%, 93%
XYZ	44.6627, 21.8996, 52.9120
YIQ	92.9790, 78.9780, 110.5780

# Conversions

## Conversions Part 2

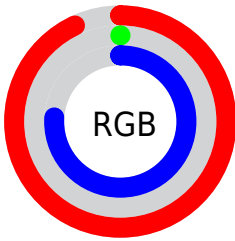
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	237, 0, 194
Decimal	15532226
CIE <sub>Lab</sub>	53.92, 87.34, -36.69
CIE <sub>LCh</sub>	54, 94.733, 337.215
Yxy	21.8996, 0.3738, 0.1833
Android (android.graphics.Color)	4293722306 (0xFFED00C2)
YUV	92.9790, 49.8034, 126.3064
Hunter-Lab	46.7970, 88.4642, -34.2796

# Details

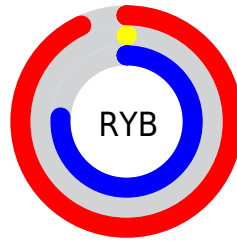
The XYZ color **44.6627, 21.8996, 52.9120** is a dark color, and the websafe version is hex **FF00CC**. The color can be described as middle washed magenta. A complement of this color would be **30.7219, 60.7439, 12.3956**, and the grayscale version is **10.2807, 10.8160, 11.7787**.

A 20% lighter version of the original color is **63.1144, 37.1487, 95.1107**, and **22.6381, 11.1236, 25.7648** is the 20% darker color. If you saturate the color by 10%, you get **44.6620, 21.8993, 52.9072**, and if you desaturate by 10%, it is **45.4746, 22.7387, 55.6007**.

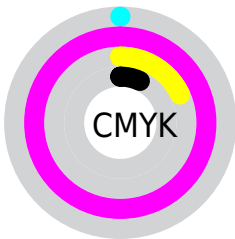
# Distribution



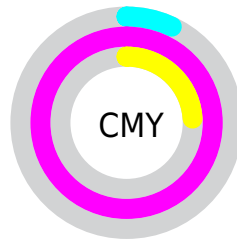
- Red (93%)
- Green (0%)
- Blue (76%)



- Red (93%)
- Yellow (0%)
- Blue (76%)



- Cyan (0%)
- Magenta (100%)
- Yellow (18%)
- Black (7%)




- Cyan (7%)
- Magenta (100%)
- Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.6627, 21.8996, 52.9120 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 44.6627, 21.8996, 52.9120 by changing the saturation by 10% instead.





 44.6627, 21.8996,  
52.9120

 44.6627, 21.8996,  
52.9120


356.2125,  
262.0215, 415.0041

 31.3920, 13.7831,  
37.3453


 81.4542, 46.5800,  
95.9151


 21.0508, 7.9700,  
25.1771


 105.7057, 63.9127,  
124.1886


 13.2738, 4.0758,  
15.9888


 134.3482, 85.0864,  
157.5347

 7.6957, 1.7160,  
9.3620

 167.7470,  
110.4853, 196.3720

 3.9510, 0.4340,  
4.8780

 206.2674,  
140.4938, 241.1191

 1.6744, 0.0000,  
2.1184

250.2749,

 0.4402, 0.0000,

175.4965, 292.1944

0.6267

300.1348,  
215.8776, 350.0166

■ 0.0000, 0.0000,  
0.0000

■ 44.6627, 21.8996,  
52.9120

■ 44.6627, 21.8996,  
52.9120

■ 44.6620, 21.8993,  
52.9072

■ 45.4746, 22.7387,  
55.6007

■ 46.6919, 24.3665,  
58.4939

■ 48.4386, 27.0301,  
61.6337

■ 50.7872, 30.8750,  
65.0448

■ 53.7991, 36.0231,  
68.7483

■ 57.5277, 42.5814,  
72.7623

■ 62.0210, 50.6456,  
77.1036

■ 67.3228, 60.3032,  
81.7871

■ 73.4735, 71.6348,  
86.8270

# Harmonies

## Analogous

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



35.0863, 21.8996, 102.4716



44.6627, 21.8996, 52.9120



46.9915, 21.8996, 17.4584

# Triad

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



44.6627, 21.8996, 52.9120



18.4456, 21.8996, 0.0000



8.7699, 21.8996, 76.5631

# Complementary

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



44.6627, 21.8996, 52.9120



30.7219, 60.7439, 12.3956

# 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.



6.7833, 21.8996, 31.6253



44.6627, 21.8996, 52.9120



11.0573, 21.8996, 1.2493

# Square

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



44.6627, 21.8996, 52.9120



29.3792, 21.8996, 0.3933



7.4561, 21.8996, 8.0281



14.1013, 21.8996, 122.2903



# Rectangle

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



44.6627, 21.8996, 52.9120



43.6042, 21.8996, 6.2687



7.4561, 21.8996, 8.0281



7.7843, 21.8996, 59.9001

# Sweetspot

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



44.6635, 21.9007, 52.9124



73.1548, 59.6580, 90.9705



16.1440, 6.5574, 80.5362



15.1543, 11.8610, 18.9972



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.



44.6635, 21.9007, 52.9124



52.7146, 25.8498, 62.3542



36.3383, 18.5707, 9.0724



15.5907, 15.2641, 18.3959



24.4285, 11.9741, 29.1215



1.9488, 0.9525, 2.4475



# Inverse Universe

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



44.6635, 21.9007, 52.9124



52.7146, 25.8498, 62.3542



36.4580, 63.0383, 42.6011



15.5907, 15.2641, 18.3959



24.4285, 11.9741, 29.1215

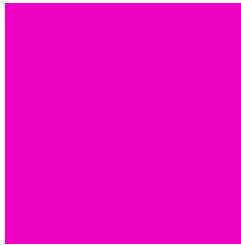


1.9488, 0.9525, 2.4475



# Previews

## White Background



This preview shows how the XYZ color 44.6627, 21.8996, 52.9120 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

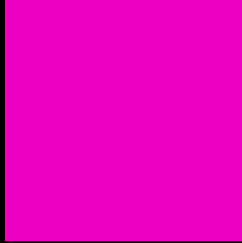
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 44.6627, 21.8996, 52.9120 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 44.6627, 21.8996, 52.9120**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.6627, 21.8996, 52.9120.



This preview shows how white text looks on a background with the XYZ color 44.6627, 21.8996,



# 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

44.6627, 21.8996, 52.9120

### Protanopia

26.8761, 22.8455, 97.6008

### Deuteranopia

23.1038, 22.5886, 47.3983



## Tritanopia

35.7482, 22.0939, 10.1650

# Trichromacy



## Original Color

44.6627, 21.8996, 52.9120



## Protanomaly

25.1844, 15.5425, 78.7634



## Deuteranomaly

25.9808, 16.8489, 48.3372



## Tritanomaly

37.5248, 20.5080, 20.3930

# Monochromacy



## Original Color

44.6627, 21.8996, 52.9120



## Achromatopsia

10.4043, 10.9462, 11.9204



## Achromatomaly

17.2703, 10.7594, 22.2856

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.6627, 21.8996, 52.9120 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(237, 0, 194)` looks like.

```
.text, #text, p{  
    color:rgb(237, 0, 194)  
}
```

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(237, 0, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 0, 194) }
```

## Border

The CSS property to change the border of an element to XYZ 44.6627, 21.8996, 52.9120 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(237, 0, 194) }
```



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

```
.border{ border-color:rgb(237, 0, 194) }
```

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

Here you see how a box with a 4 pixel rgb(237, 0, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 0, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 0, 194);  
box-shadow:4px 4px 4px 4px rgb(237, 0,  
194) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.6627, 21.8996, 52.9120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 0, 194) }
```

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

```
.background{ background-color: rgb(237, 0,  
194) }
```

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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