

# Converting Colors

XYZ(43.9718, 21.5313, 53.4286)

Have a look what the booklet for  
XYZ(43.9718, 21.5313, 53.4286)  
contains.

<b>XYZ(44.1113, 21.6023, 53.4745)</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(44.1113, 21.6023,  
53.4745)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EB00C3
RGB	235, 0, 195
RGB Percent	92%, 0%, 76%
CMY	0.0784, 0.9998, 0.2353
CMYK	0.00, 1.00, 0.17, 0.08
HSL	310°, 100%, 46%
HSV	310°, 100%, 92%
XYZ	44.1113, 21.6023, 53.4745
YIQ	92.4950, 77.4650, 110.4650

# Conversions

## Conversions Part 2

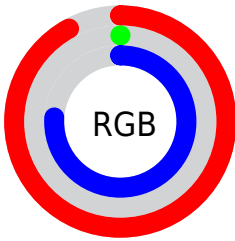
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	235, 0, 195
Decimal	15401155
CIE <sub>Lab</sub>	53.60, 87.10, -37.79
CIE <sub>LCh</sub>	54, 94.949, 336.546
Yxy	21.6023, 0.3701, 0.1812
Android (android.graphics.Color)	4293591235 (0xFFEB00C3)
YUV	92.4950, 50.5350, 124.9769
Hunter-Lab	46.4783, 88.0726, -35.6799

# Details

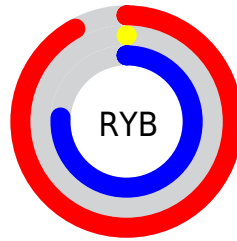
The XYZ color **44.1113, 21.6023, 53.4745** is a dark color, and the websafe version is hex **FF00CC**. The color can be described as middle washed magenta. A complement of this color would be **30.0929, 59.5709, 11.9238**, and the grayscale version is **10.1671, 10.6966, 11.6486**.

A 20% lighter version of the original color is **63.1784, 37.0236, 95.9119**, and **22.2633, 10.9218, 26.1340** is the 20% darker color. If you saturate the color by 10%, you get **44.1107, 21.6021, 53.4702**, and if you desaturate by 10%, it is **44.8875, 22.4205, 55.9953**.

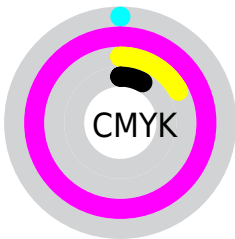
# Distribution



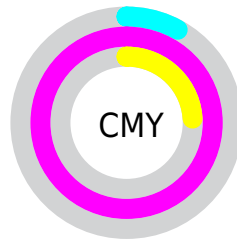
- Red (92%)
- Green (0%)
- Blue (76%)



- Red (92%)
- Yellow (0%)
- Blue (76%)



- Cyan (0%)
- Magenta (100%)
- Yellow (17%)
- Black (8%)



- Cyan (8%)
- Magenta (100%)
- Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.1113, 21.6023, 53.4745 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 44.1113, 21.6023, 53.4745 by changing the saturation by 10% instead.



44.1113, 21.6023,  
53.4745

44.1113, 21.6023,  
53.4745

354.0068,  
260.4623, 417.2208

30.9563, 13.5650,  
37.7914

80.6305, 46.0878,  
96.7508

20.7172, 7.8187,  
25.5202

104.7254, 63.3048,  
125.1811

13.0288, 3.9792,  
16.2425

133.1977, 84.3504,  
158.6976

7.5255, 1.6619,  
9.5397

166.4127,  
109.6091, 197.7187

3.8421, 0.3988,  
4.9933

204.7357,  
139.4652, 242.6630

1.6132, 0.0000,  
2.1846

248.5322,

0.4010, 0.0000,

174.3032, 293.9491

0.6655

298.1674,  
214.5074, 351.9955

■ 0.0000, 0.0000,  
0.0000

■ 44.1113, 21.6023,  
53.4745

■ 44.1113, 21.6023,  
53.4745

■ 44.1107, 21.6021,  
53.4702

■ 44.8875, 22.4205,  
55.9953

■ 46.0592, 24.0108,  
58.7081

■ 47.7484, 26.6162,  
61.6541

■ 50.0262, 30.3790,  
64.8574

■ 52.9525, 35.4187,  
68.3385

■ 56.5796, 41.8400,  
72.1153

■ 60.9545, 49.7367,  
76.2038

■ 66.1201, 59.1944,  
80.6187

■ 72.1160, 70.2921,  
85.3737

# Harmonies

## Analogous

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



34.4660, 21.6023, 102.9260



44.1113, 21.6023, 53.4745



46.6276, 21.6023, 17.7129

# Triad

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



44.1113, 21.6023, 53.4745



18.3890, 21.6023, 0.0000



8.5154, 21.6023, 74.8909

# Complementary

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



44.1113, 21.6023, 53.4745



30.0929, 59.5709, 11.9238

# 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.



6.6162, 21.6023, 30.4779



44.1113, 21.6023, 53.4745



10.9741, 21.6023, 1.1377

# Square

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



44.1113, 21.6023, 53.4745



29.3097, 21.6023, 0.3715



7.3382, 21.6023, 7.5632



13.7097, 21.6023, 120.9114



# Rectangle

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



44.1113, 21.6023, 53.4745



43.3751, 21.6023, 6.3524



7.3382, 21.6023, 7.5632



7.5645, 21.6023, 58.3368

# Sweetspot

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



44.1121, 21.6034, 53.4749



73.2835, 59.7095, 91.6483



15.8404, 6.4345, 79.0050



15.1854, 11.8734, 19.1609



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.



44.1121, 21.6034, 53.4749



53.0716, 25.9927, 64.2346



35.6499, 18.2186, 8.9138



15.5983, 15.2672, 18.4360



24.5911, 12.0391, 29.9777



1.9601, 0.9570, 2.5072



# Inverse Universe

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



44.1121, 21.6034, 53.4749



53.0716, 25.9927, 64.2346



35.7678, 61.8409, 41.8075



15.5983, 15.2672, 18.4360



24.5911, 12.0391, 29.9777



1.9601, 0.9570, 2.5072



# Previews

## White Background



This preview shows how the XYZ color 44.1113, 21.6023, 53.4745 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

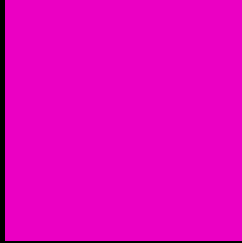
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 44.1113, 21.6023, 53.4745 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

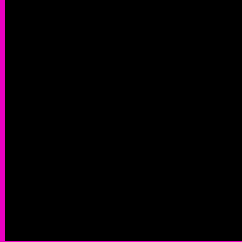
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 44.1113, 21.6023, 53.4745**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.1113, 21.6023, 53.4745.



This preview shows how white text looks on a background with the XYZ color 44.1113, 21.6023,



# 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

44.1113, 21.6023, 53.4745

### Protanopia

26.5559, 22.4916, 97.5494

### Deuteranopia

22.6968, 22.1722, 47.8832



## Tritanopia

35.1904, 21.9094, 10.1588

# Trichromacy



## Original Color

44.1113, 21.6023, 53.4745



## Protanomaly

24.6469, 15.2654, 78.7383



## Deuteranomaly

25.4296, 16.4413, 48.8469



## Tritanomaly

36.9243, 20.2598, 20.3768

# Monochromacy



## Original Color

44.1113, 21.6023, 53.4745



## 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 44.1113, 21.6023, 53.4745 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, 195)` looks like.

```
.text, #text, p{  
    color:rgb(235, 0, 195)  
}
```

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, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 0, 195) }
```

## Border

The CSS property to change the border of an element to XYZ 44.1113, 21.6023, 53.4745 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, 195) }
```



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

```
.border{ border-color:rgb(235, 0, 195) }
```

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, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 0, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 0, 195);  
box-shadow:4px 4px 4px 4px rgb(235, 0,  
195) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.1113, 21.6023, 53.4745 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, 195) }
```

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

```
.background{ background-color: rgb(235, 0,  
195) }
```

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