

# Converting Colors

XYZ(43.1011, 21.0866, 53.1968)

Have a look what the booklet for  
XYZ(43.1011, 21.0866, 53.1968)  
contains.

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# Color

**XYZ(43.1290, 21.0959,  
53.4285)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E800C3
RGB	232, 0, 195
RGB Percent	91%, 0%, 76%
CMY	0.0902, 0.9998, 0.2353
CMYK	0.00, 1.00, 0.16, 0.09
HSL	310°, 100%, 45%
HSV	310°, 100%, 91%
XYZ	43.1290, 21.0959, 53.4285
YIQ	91.5980, 75.6770, 109.8290

# Conversions

## Conversions Part 2

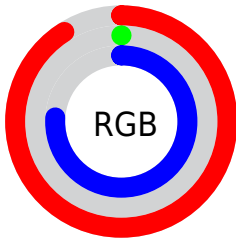
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	232, 0, 195
Decimal	15204547
CIE <sub>Lab</sub>	53.05, 86.57, -38.69
CIE <sub>LCh</sub>	53, 94.825, 335.920
Yxy	21.0959, 0.3666, 0.1793
Android (android.graphics.Color)	4293394627 (0xFFE800C3)
YUV	91.5980, 50.9772, 123.1326
Hunter-Lab	45.9303, 87.2354, -36.8180

# Details

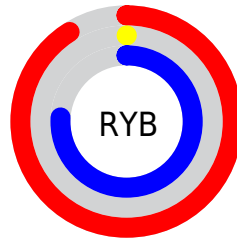
The XYZ color **43.1290, 21.0959, 53.4285** is a dark color, and the websafe version is hex **FF00CC**. The color can be described as middle washed magenta. A complement of this color would be **29.1919, 57.8477, 11.3809**, and the grayscale version is **9.9609, 10.4796, 11.4123**.

A 20% lighter version of the original color is **63.1784, 37.0236, 95.9119**, and **21.6023, 10.5810, 26.1031** is the 20% darker color. If you saturate the color by 10%, you get **43.1285, 21.0958, 53.4247**, and if you desaturate by 10%, it is **43.8643, 21.8880, 55.7639**.

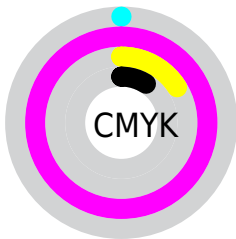
# Distribution



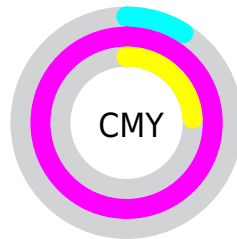
- Red (91%)
- Green (0%)
- Blue (76%)



- Red (91%)
- Yellow (0%)
- Blue (76%)



- Cyan (0%)
- Magenta (100%)
- Yellow (16%)
- Black (9%)




- Cyan (9%)
- Magenta (100%)
- Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.1290, 21.0959, 53.4285 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 43.1290, 21.0959, 53.4285 by changing the saturation by 10% instead.




 43.1290, 21.0959,  
53.4285

 43.1290, 21.0959,  
53.4285

350.0545,  
257.7877, 417.0398

 30.1813, 13.1941,  
37.7549


 79.1600, 45.2471,  
96.6825


 20.1250, 7.5624,  
25.4921


 102.9740, 62.2653,  
125.1000


 12.5947, 3.8162,  
16.2218


 131.1408, 83.0911,  
158.6026

 7.2251, 1.5713,  
9.5252

 164.0258,  
108.1088, 197.6087

 3.6509, 0.3381,  
4.9838

 201.9943,  
137.7030, 242.5369

 1.5066, 0.0000,  
2.1792

 245.4117,

 0.3303, 0.0000,

172.2579, 293.8058

0.6623

294.6433,  
212.1580, 351.8339

■ 0.0000, 0.0000,  
0.0000

■ 43.1290, 21.0959,  
53.4285

■ 43.1290, 21.0959,  
53.4285

■ 43.1285, 21.0958,  
53.4247

■ 43.8643, 21.8880,  
55.7639

■ 44.9816, 23.4280,  
58.2781

■ 46.5998, 25.9529,  
61.0111

■ 48.7878, 29.6004,  
63.9863

■ 51.6036, 34.4863,  
67.2233

■ 55.0978, 40.7119,  
70.7395

■ 59.3159, 48.3683,  
74.5502

■ 64.2996, 57.5382,  
78.6697

■ 70.0871, 68.2983,  
83.1111

# Harmonies

## Analogous

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



33.5253, 21.0959, 102.2480



43.1290, 21.0959, 53.4285



45.7906, 21.0959, 17.7618

# Triad

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



43.1290, 21.0959, 53.4285



18.1389, 21.0959, 0.0000



8.1912, 21.0959, 72.5537

# Complementary

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



43.1290, 21.0959, 53.4285



29.1919, 57.8477, 11.3809

# 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.



6.3918, 21.0959, 29.1077



43.1290, 21.0959, 53.4285



10.7789, 21.0959, 1.0277

# Square

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



43.1290, 21.0959, 53.4285



28.9305, 21.0959, 0.3426



7.1506, 21.0959, 7.0654



13.2043, 21.0959, 118.3423



# Rectangle

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



43.1290, 21.0959, 53.4285



42.6973, 21.0959, 6.3625



7.1506, 21.0959, 7.0654



7.2821, 21.0959, 56.2807

# Sweetspot

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



43.1298, 21.0970, 53.4289



73.4071, 59.7590, 92.2992



15.2536, 6.1816, 76.7337



15.2153, 11.8853, 19.3183



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.



43.1298, 21.0970, 53.4289



53.4191, 26.1316, 66.0640



34.7732, 17.7543, 9.4236



14.8912, 14.5737, 17.6272



23.9822, 11.7271, 29.8651



1.7988, 0.8772, 2.3470



# Inverse Universe

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



43.1298, 21.0970, 53.4289



53.4191, 26.1316, 66.0640



34.4283, 59.9423, 38.9550



14.8912, 14.5737, 17.6272



23.9822, 11.7271, 29.8651



1.7988, 0.8772, 2.3470



# Previews

## White Background



This preview shows how the XYZ color 43.1290, 21.0959, 53.4285 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

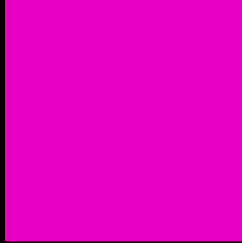
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 43.1290, 21.0959, 53.4285 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 43.1290, 21.0959, 53.4285**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.1290, 21.0959, 53.4285.



This preview shows how white text looks on a background with the XYZ color 43.1290, 21.0959,



# 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

43.1290, 21.0959, 53.4285

### Protanopia

26.1721, 22.1067, 97.4953

### Deuteranopia

22.2000, 21.7234, 47.8227



## Tritanopia

34.2633, 21.4314, 10.1154

# Trichromacy



## Original Color

43.1290, 21.0959, 53.4285



## Protanomaly

23.9344, 14.7902, 78.6841



## Deuteranomaly

24.8610, 16.1481, 48.8203



## Tritanomaly

35.9752, 19.7705, 20.3323

# Monochromacy



## Original Color

43.1290, 21.0959, 53.4285



## Achromatopsia

10.1725, 10.7023, 11.6548



## Achromatomaly

16.8541, 10.5525, 21.9174

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.1290, 21.0959, 53.4285 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(232, 0, 195)` looks like.

```
.text, #text, p{  
    color:rgb(232, 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(232, 0, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 0, 195) }
```

## Border

The CSS property to change the border of an element to XYZ 43.1290, 21.0959, 53.4285 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(232, 0, 195) }
```



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

```
.border{ border-color:rgb(232, 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(232, 0, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 0, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 0, 195);  
box-shadow:4px 4px 4px 4px rgb(232, 0,  
195) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.1290, 21.0959, 53.4285 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 0, 195) }
```

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

```
.background{ background-color: rgb(232, 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](#).

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