

# Converting Colors

XYZ(42.0287, 21.1334, 28.2495)

Have a look what the booklet for  
XYZ(42.0287, 21.1334, 28.2495)  
contains.

<b>XYZ(42.0288, 21.1334, 28.2496)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(42.0288, 21.1334,  
28.2496)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F30390
RGB	243, 3, 144
RGB Percent	95%, 1%, 56%
CMY	0.0471, 0.9880, 0.4353
CMYK	0.00, 0.99, 0.41, 0.05
HSL	325°, 98%, 48%
HSV	325°, 99%, 95%
XYZ	42.0288, 21.1334, 28.2496
YIQ	90.8340, 97.7790, 94.7310

# Conversions

## Conversions Part 2

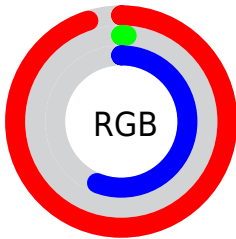
<b>Format</b>	<b>Color</b>
<b>RYB</b>	243, 3, 144
Decimal	15926160
CIELab	53.10, 83.10, -8.43
CIELCh	53, 83.527, 354.207
Yxy	21.1334, 0.4598, 0.2312
Android (android.graphics.Color)	4294116240 (0xFFFF30390)
YUV	90.8340, 26.2108, 133.4496
Hunter-Lab	45.9711, 82.7432, -4.2544

# Details

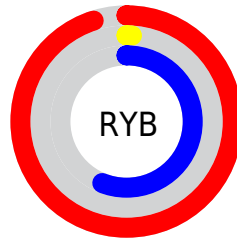
The XYZ color **42.0288, 21.1334, 28.2496** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle saturated rose. A complement of this color would be **34.4898, 65.0813, 23.3284**, and the grayscale version is **9.8400, 10.3524, 11.2738**.

A 20% lighter version of the original color is **55.8007, 34.0726, 57.0617**, and **21.0764, 10.6319, 11.5310** is the 20% darker color. If you saturate the color by 10%, you get **41.9005, 21.0300, 27.7345**, and if you desaturate by 10%, it is **43.1972, 22.1889, 32.5895**.

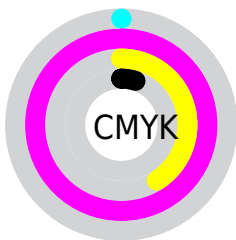
# Distribution



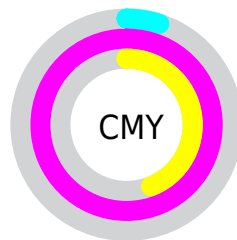
- Red (95%)
- Green (1%)
- Blue (56%)



- Red (95%)
- Yellow (1%)
- Blue (56%)



- Cyan (0%)
- Magenta (99%)
- Yellow (41%)
- Black (5%)




- Cyan (5%)
- Magenta (99%)
- Yellow (44%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.0288, 21.1334, 28.2496 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 42.0288, 21.1334, 28.2496 by changing the saturation by 10% instead.




 42.0288, 21.1334,  
28.2496


 42.0288, 21.1334,  
28.2496


345.5919,  
257.9866, 307.6071


 29.3151, 13.2215,  
18.2732


 77.5081, 45.3094,  
57.9106


 19.4648, 7.5813,  
10.9749


 101.0044, 62.3424,  
78.4323


 12.1126, 3.8282,  
5.9360


 128.8255, 83.1846,  
103.3061

 6.8931, 1.5779,  
2.7380

 161.3369,  
108.2203, 132.9507

 3.4411, 0.3427,  
0.9625

 198.9039,  
137.8339, 167.7846

 1.3911, 0.0000,  
0.0000

 241.8918,

 0.2499, 0.0000,

172.4099, 208.2262

0.0000

290.6660,  
212.3327, 254.6942

■ 0.0000, 0.0000,  
0.0000

■ 42.0288, 21.1334,  
28.2496

■ 42.0288, 21.1334,  
28.2496

■ 41.9005, 21.0300,  
27.7345

■ 43.1972, 22.1889,  
32.5895

■ 44.8803, 24.1621,  
37.4451

■ 47.1911, 27.2763,  
42.8620

■ 50.2064, 31.6829,  
48.8740

■ 53.9917, 37.5101,  
55.5101

■ 58.6043, 44.8705,  
62.7971

■ 64.0961, 53.8652,  
70.7591

■ 70.5144, 64.5867,  
79.4190

■ 77.9030, 77.1205,  
88.7981

# Harmonies

## Analogous

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



37.1504, 21.1334, 64.5134



42.0288, 21.1334, 28.2496



39.7802, 21.1334, 8.3231

# Triad

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



42.0288, 21.1334, 28.2496



13.9232, 21.1334, 1.0781



11.7350, 21.1334, 88.8327

# Complementary

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



42.0288, 21.1334, 28.2496



34.4898, 65.0813, 23.3284

# 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.



8.2791, 21.1334, 49.1101



42.0288, 21.1334, 28.2496



9.2601, 21.1334, 4.7243

# Square

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



42.0288, 21.1334, 28.2496



21.8411, 21.1334, 0.5902



7.5277, 21.1334, 18.4631



18.4288, 21.1334, 112.5669



# Rectangle

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



42.0288, 21.1334, 28.2496



34.8000, 21.1334, 3.0725



7.5277, 21.1334, 18.4631



10.2444, 21.1334, 75.9468

# Sweetspot

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



42.0294, 21.1346, 28.2499



70.6383, 58.6514, 77.7190



21.3599, 9.1918, 85.4425



14.5511, 11.6197, 15.8206



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.



42.0294, 21.1346, 28.2499



46.7281, 23.4552, 30.8298



37.1937, 19.2003, 2.7856



16.9075, 16.6459, 19.2595



23.0652, 11.5695, 15.5834



2.0782, 1.0373, 1.6384



# Inverse Universe

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



42.0294, 21.1346, 28.2499



46.7281, 23.4552, 30.8298



44.8757, 69.2357, 78.0202



16.9075, 16.6459, 19.2595



23.0652, 11.5695, 15.5834



2.0782, 1.0373, 1.6384



# Previews

## White Background



This preview shows how the XYZ color 42.0288, 21.1334, 28.2496 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

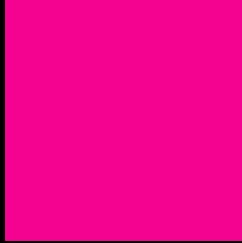
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 42.0288, 21.1334, 28.2496 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 42.0288, 21.1334, 28.2496**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.0288, 21.1334, 28.2496.



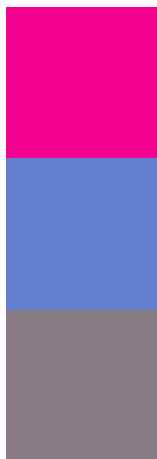
This preview shows how white text looks on a background with the XYZ color 42.0288, 21.1334,



# 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

42.0288, 21.1334, 28.2496

### Protanopia

23.6531, 21.9681, 62.0251

### Deuteranopia

21.9225, 21.5120, 25.1871



## Tritanopia

37.5124, 21.4192, 6.2949

# Trichromacy



## Original Color

42.0288, 21.1334, 28.2496



## Protanomaly

24.1718, 15.8296, 47.1288



## Deuteranomaly

25.2885, 16.7736, 25.5717



## Tritanomaly

38.4422, 20.5866, 11.6203

# Monochromacy



## Original Color

42.0288, 21.1334, 28.2496



## Achromatopsia

9.9438, 10.4616, 11.3927



## Achromatomaly

16.2325, 10.3647, 15.8969

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.0288, 21.1334, 28.2496 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(243, 3, 144)` looks like.

```
.text, #text, p{  
    color:rgb(243, 3, 144)  
}
```

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(243, 3, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 3, 144) }
```

## Border

The CSS property to change the border of an element to XYZ 42.0288, 21.1334, 28.2496 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(243, 3, 144) }
```



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

```
.border{ border-color:rgb(243, 3, 144) }
```

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

Here you see how a box with a 4 pixel rgb(243, 3, 144) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 3, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 3, 144);  
box-shadow:4px 4px 4px 4px rgb(243, 3,  
144) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.0288, 21.1334, 28.2496 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 3, 144) }
```

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

```
.background{ background-color: rgb(243, 3,  
144) }
```

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