

Converting Colors

XYZ(40.7405, 17.3685, 20.9034)

Have a look what the booklet for
XYZ(40.7405, 17.3685, 20.9034)
contains.

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Color

**XYZ(42.8328, 21.6461,
21.6592)**

Conversions

Conversions Part 1

Format	Color
Hex	F9007E
RGB	249, 0, 126
RGB Percent	98%, 0%, 49%
CMY	0.0235, 0.9998, 0.5059
CMYK	0.00, 1.00, 0.49, 0.02
HSL	330°, 100%, 49%
HSV	330°, 100%, 98%
XYZ	42.8328, 21.6461, 21.6592
YIQ	88.8150, 107.9580, 91.9740

Conversions

Conversions Part 2

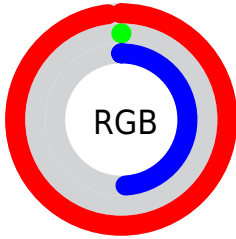
Format	Color
R_{YB}	249, 0, 126
Decimal	16318590
CIE _{Lab}	53.65, 83.13, 3.34
CIE _{LCh}	54, 83.192, 2.298
Yxy	21.6461, 0.4973, 0.2513
Android (android.graphics.Color)	4294508670 (0xFFFF9007E)
YUV	88.8150, 18.3322, 140.4822
Hunter-Lab	46.5254, 82.9136, 4.9662

Details

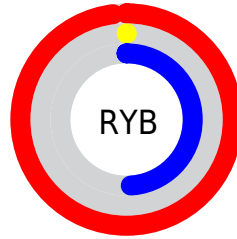
The XYZ color **42.8328, 21.6461, 21.6592** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark saturated rose. A complement of this color would be **37.4554, 69.1831, 30.1390**, and the grayscale version is **9.4065, 9.8964, 10.7771**.

A 20% lighter version of the original color is **53.6436, 33.2097, 45.7023**, and **21.6248, 10.9892, 8.1891** is the 20% darker color. If you saturate the color by 10%, you get **42.8307, 21.6452, 21.6487**, and if you desaturate by 10%, it is **44.0231, 22.6771, 26.2169**.

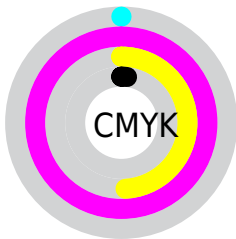
Distribution



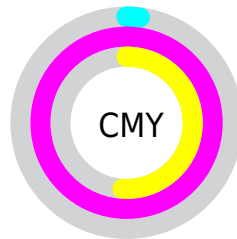
- Red (98%)
- Green (0%)
- Blue (49%)



- Red (98%)
- Yellow (0%)
- Blue (49%)



- Cyan (0%)
- Magenta (100%)
- Yellow (49%)
- Black (2%)





- Cyan (2%)
- Magenta (100%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.8328, 21.6461, 21.6592 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 42.8328, 21.6461, 21.6592 by changing the saturation by 10% instead.


 42.8328, 21.6461,
21.6592


 42.8328, 21.6461,
21.6592


348.8569,
260.6925, 273.6565


 29.9479, 13.5971,
13.4108


 78.7158, 46.1604,
47.0770


 19.9469, 7.8410,
7.5780


 102.4446, 63.3944,
65.0835


 12.4645, 3.9934,
3.7422


 130.5187, 84.4590,
87.1798

 7.1353, 1.6698,
1.4850

 163.3035,
109.7384, 113.7843

 3.5939, 0.4040,
0.2067

 201.1644,
139.6170, 145.3158

 1.4751, 0.0000,
0.0000

244.4667,

 0.3088, 0.0000,

174.4793, 182.1926

0.0000

293.5757,
214.7097, 224.8333

■ 0.0000, 0.0000,
0.0000

■ 42.8328, 21.6461,
21.6592

■ 42.8328, 21.6461,
21.6592

■ 42.8307, 21.6452,
21.6487

■ 44.0231, 22.6771,
26.2169

■ 45.7555, 24.6308,
31.4534

■ 48.1695, 27.7808,
37.4312

■ 51.3504, 32.2930,
44.1936

■ 55.3701, 38.3064,
51.7791

■ 60.2917, 45.9429,
60.2226

■ 66.1720, 55.3117,
69.5564

■ 73.0629, 66.5124,
79.8107

■ 81.0125, 79.6369,
91.0140

Harmonies

Analogous

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



39.7364, 21.6461, 54.4617



42.8328, 21.6461, 21.6592



38.6825, 21.6461, 5.8888

Triad

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



42.8328, 21.6461, 21.6592



12.7215, 21.6461, 1.6773



13.6031, 21.6461, 98.9781

Complementary

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



42.8328, 21.6461, 21.6592



37.4554, 69.1831, 30.1390

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.



9.2385, 21.6461, 60.6256



42.8328, 21.6461, 21.6592



8.8422, 21.6461, 7.3438

Square

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



42.8328, 21.6461, 21.6592



19.8959, 21.6461, 0.6553



7.7792, 21.6461, 25.5877



21.2673, 21.6461, 114.2116

Rectangle

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



42.8328, 21.6461, 21.6592



32.9068, 21.6461, 2.1747



7.7792, 21.6461, 25.5877



11.7865, 21.6461, 87.4494

Sweetspot

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



42.8334, 21.6474, 21.6595



69.8107, 58.3204, 73.3606



24.8984, 10.8614, 90.4064



14.3549, 11.5412, 14.7875



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.



42.8334, 21.6474, 21.6595



45.2028, 22.8451, 22.7976



39.0905, 20.1503, 1.9500



17.6110, 17.3718, 19.8073



22.9986, 11.6152, 11.9670



2.1836, 1.0972, 1.3903

Inverse Universe

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



42.8334, 21.6474, 21.6595



45.2028, 22.8451, 22.7976



50.3350, 74.3350, 97.9619



17.6110, 17.3718, 19.8073



22.9986, 11.6152, 11.9670



2.1836, 1.0972, 1.3903

Previews

White Background



This preview shows how the XYZ color 42.8328, 21.6461, 21.6592 looks on a white background.

Color Contrast Check

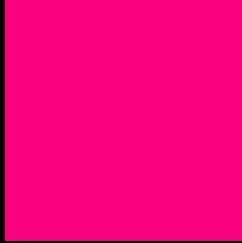
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.8328, 21.6461, 21.6592 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 42.8328, 21.6461, 21.6592

Background



This preview shows how black text looks on a background with the XYZ color 42.8328, 21.6461, 21.6592.



This preview shows how white text looks on a background with the XYZ color 42.8328, 21.6461,

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

42.8328, 21.6461, 21.6592

Protanopia

22.9727, 22.3265, 47.3546

Deuteranopia

22.5186, 22.1312, 19.6079



Tritanopia

39.3725, 21.9240, 5.1742

Trichromacy



Original Color

42.8328, 21.6461, 21.6592



Protanomaly

24.3643, 16.1749, 36.0203



Deuteranomaly

26.0260, 17.2837, 19.7337



Tritanomaly

39.8977, 21.1759, 9.1922

Monochromacy



Original Color

42.8328, 21.6461, 21.6592



Achromatopsia

9.4954, 9.9899, 10.8790



Achromatomaly

15.8940, 10.0886, 13.6800

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.8328, 21.6461, 21.6592 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(249, 0, 126)` looks like.

```
.text, #text, p{  
    color:rgb(249, 0, 126)  
}
```

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(249, 0, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 0, 126) }
```

Border

The CSS property to change the border of an element to XYZ 42.8328, 21.6461, 21.6592 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(249, 0, 126) }
```


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

```
.border{ border-color:rgb(249, 0, 126) }
```

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

Here you see how a box with a 4 pixel rgb(249, 0, 126) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 0, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 0, 126);  
box-shadow:4px 4px 4px 4px rgb(249, 0,  
126) }
```

Background

The CSS property to change the background color of an element to XYZ 42.8328, 21.6461, 21.6592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 0, 126) }
```

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

```
.background{ background-color: rgb(249, 0,  
126) }
```

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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