

Converting Colors

XYZ(41.7664, 20.2891, 28.0995)

Have a look what the booklet for
XYZ(41.7664, 20.2891, 28.0995)
contains.

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Color

**XYZ(42.3423, 21.2467,
28.2549)**

Conversions

Conversions Part 1

Format	Color
Hex	F40090
RGB	244, 0, 144
RGB Percent	96%, 0%, 56%
CMY	0.0431, 0.9998, 0.4353
CMYK	0.00, 1.00, 0.41, 0.04
HSL	325°, 100%, 48%
HSV	325°, 100%, 96%
XYZ	42.3423, 21.2467, 28.2549
YIQ	89.3720, 99.2000, 96.5120

Conversions

Conversions Part 2

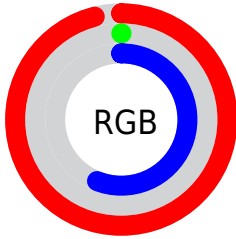
Format	Color
R_{YB}	244, 0, 144
Decimal	15990928
CIE _{Lab}	53.22, 83.51, -8.23
CIE _{LCh}	53, 83.919, 354.375
Yxy	21.2467, 0.4610, 0.2313
Android (android.graphics.Color)	4294181008 (0xFFFF40090)
YUV	89.3720, 26.9316, 135.6088
Hunter-Lab	46.0941, 83.3062, -4.0778

Details

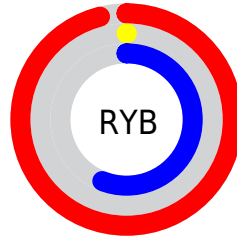
The XYZ color **42.3423, 21.2467, 28.2549** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle saturated rose. A complement of this color would be **34.6543, 65.6229, 22.9106**, and the grayscale version is **9.5115, 10.0068, 10.8974**.

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 **42.3406, 21.2460, 28.2459**, and if you desaturate by 10%, it is **43.4773, 22.2385, 32.5739**.

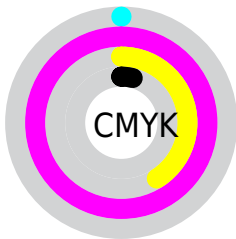
Distribution



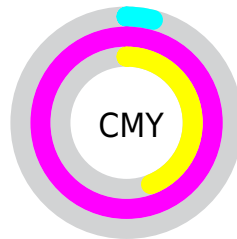
- Red (96%)
- Green (0%)
- Blue (56%)



- Red (96%)
- Yellow (0%)
- Blue (56%)



- Cyan (0%)
- Magenta (100%)
- Yellow (41%)
- Black (4%)





- Cyan (4%)
- Magenta (100%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.3423, 21.2467, 28.2549 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 42.3423, 21.2467, 28.2549 by changing the saturation by 10% instead.

 42.3423, 21.2467,
28.2549


 42.3423, 21.2467,
28.2549


346.8675,
258.5867, 307.6331


 29.5617, 13.3045,
18.2772


 77.9793, 45.4978,
57.9191


 19.6526, 7.6385,
10.9777


 101.5665, 62.5753,
78.4427


 12.2495, 3.8645,
5.9378


 129.4865, 83.4668,
103.3187

 6.9873, 1.5981,
2.7391

 162.1048,
108.5566, 132.9656

 3.5004, 0.3563,
0.9630

 199.7867,
138.2291, 167.8019

 1.4236, 0.0000,
0.0000

 242.8975,

 0.2729, 0.0000,

172.8687, 208.2463

0.0000

291.8027,
212.8597, 254.7171

■ 0.0000, 0.0000,
0.0000

■ 42.3423, 21.2467,
28.2549

■ 42.3423, 21.2467,
28.2549

■ 42.3406, 21.2460,
28.2459

■ 43.4773, 22.2385,
32.5739

■ 45.1018, 24.0982,
37.3985

■ 47.3483, 27.0881,
42.7810

■ 50.2965, 31.3652,
48.7557

■ 54.0135, 37.0614,
55.3525

■ 58.5582, 44.2919,
62.5982

■ 63.9835, 53.1602,
70.5177

■ 70.3377, 63.7607,
79.1339

■ 77.6653, 76.1805,
88.4683

Harmonies

Analogous

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



37.4535, 21.2467, 64.7928



42.3423, 21.2467, 28.2549



40.0319, 21.2467, 8.2728

Triad

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



42.3423, 21.2467, 28.2549



13.9465, 21.2467, 1.0749



11.8061, 21.2467, 89.7957

Complementary

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



42.3423, 21.2467, 28.2549



34.6543, 65.6229, 22.9106

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.



8.3100, 21.2467, 49.6852



42.3423, 21.2467, 28.2549



9.2687, 21.2467, 4.7612

Square

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



42.3423, 21.2467, 28.2549



21.9111, 21.2467, 0.5762



7.5401, 21.2467, 18.6726



18.5697, 21.2467, 113.6155

Rectangle

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



42.3423, 21.2467, 28.2549



34.9872, 21.2467, 3.0370



7.5401, 21.2467, 18.6726



10.2990, 21.2467, 76.7987

Sweetspot

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



42.3429, 21.2479, 28.2552



70.6659, 58.6625, 77.8642



21.3273, 9.1092, 86.2221



14.5576, 11.6223, 15.8551



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.



42.3429, 21.2479, 28.2552



46.7828, 23.4771, 31.1181



37.4784, 19.3021, 2.6392



16.9094, 16.6466, 19.2697



23.0920, 11.5802, 15.7249



2.0805, 1.0382, 1.6505

Inverse Universe

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



42.3429, 21.2479, 28.2552



46.7828, 23.4771, 31.1181



45.2175, 69.8482, 78.5354



16.9094, 16.6466, 19.2697



23.0920, 11.5802, 15.7249



2.0805, 1.0382, 1.6505

Previews

White Background



This preview shows how the XYZ color 42.3423, 21.2467, 28.2549 looks on a white background.

Color Contrast Check

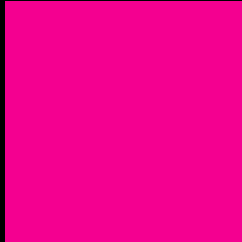
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.3423, 21.2467, 28.2549 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 42.3423, 21.2467, 28.2549

Background



This preview shows how black text looks on a background with the XYZ color 42.3423, 21.2467, 28.2549.



This preview shows how white text looks on a background with the XYZ color 42.3423, 21.2467,

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

42.3423, 21.2467, 28.2549

Protanopia

23.6531, 21.9681, 62.0251

Deuteranopia

22.2147, 21.8497, 25.2369



Tritanopia

37.8235, 21.5825, 6.1753

Trichromacy



Original Color

42.3423, 21.2467, 28.2549



Protanomaly

24.0981, 15.6820, 47.1042



Deuteranomaly

25.5155, 16.8906, 25.5823



Tritanomaly

38.7097, 20.6838, 11.4033

Monochromacy



Original Color

42.3423, 21.2467, 28.2549



Achromatopsia

9.4954, 9.9899, 10.8790



Achromatomaly

15.9005, 10.0501, 15.5698

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.3423, 21.2467, 28.2549 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(244, 0, 144)` looks like.

```
.text, #text, p{  
    color:rgb(244, 0, 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(244, 0, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 0, 144) }
```

Border

The CSS property to change the border of an element to XYZ 42.3423, 21.2467, 28.2549 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(244, 0, 144) }
```


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

```
.border{ border-color:rgb(244, 0, 144) }
```

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

Here you see how a box with a 4 pixel rgb(244, 0, 144) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 0, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 0, 144);  
box-shadow:4px 4px 4px 4px rgb(244, 0,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 42.3423, 21.2467, 28.2549 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 0, 144) }
```

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

```
.background{ background-color: rgb(244, 0,  
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](#).

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