

Converting Colors

XYZ(42.5760, 21.4768, 23.3601)

Have a look what the booklet for
XYZ(42.5760, 21.4768, 23.3601)
contains.

XYZ(42.4545, 21.4129, 23.3682)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(42.4545, 21.4129,
23.3682)**

Conversions

Conversions Part 1

Format	Color
Hex	F70083
RGB	247, 0, 131
RGB Percent	97%, 0%, 51%
CMY	0.0314, 0.9998, 0.4863
CMYK	0.00, 1.00, 0.47, 0.03
HSL	328°, 100%, 48%
HSV	328°, 100%, 97%
XYZ	42.4545, 21.4129, 23.3682
YIQ	88.7870, 105.1610, 93.1050

Conversions

Conversions Part 2

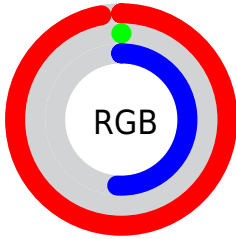
Format	Color
R_{YB}	247, 0, 131
Decimal	16187523
CIE _{Lab}	53.40, 83.08, -0.09
CIE _{LCh}	53, 83.076, 359.937
Yxy	21.4129, 0.4867, 0.2455
Android (android.graphics.Color)	4294377603 (0xFFFF70083)
YUV	88.7870, 20.8110, 138.7528
Hunter-Lab	46.2741, 82.7865, 2.4507

Details

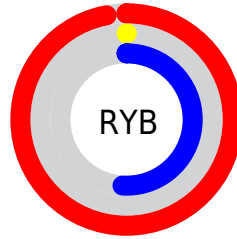
The XYZ color **42.4545, 21.4129, 23.3682** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark saturated rose. A complement of this color would be **36.4175, 67.7841, 27.7065**, and the grayscale version is **9.3956, 9.8849, 10.7646**.

A 20% lighter version of the original color is **54.2594, 33.4561, 48.9453**, and **21.2902, 10.7995, 8.9450** is the 20% darker color. If you saturate the color by 10%, you get **42.4524, 21.4120, 23.3576**, and if you desaturate by 10%, it is **43.6281, 22.4304, 27.8593**.

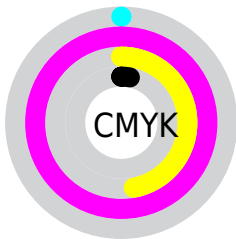
Distribution



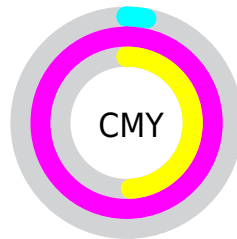
- Red (97%)
- Green (0%)
- Blue (51%)



- Red (97%)
- Yellow (0%)
- Blue (51%)



- Cyan (0%)
- Magenta (100%)
- Yellow (47%)
- Black (3%)





- Cyan (3%)
- Magenta (100%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.4545, 21.4129, 23.3682 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 42.4545, 21.4129, 23.3682 by changing the saturation by 10% instead.


 42.4545, 21.4129,
23.3682


 42.4545, 21.4129,
23.3682


347.3232,
259.4648, 282.7935


 29.6500, 13.4262,
14.6578


 78.1479, 45.7737,
49.9280


 19.7198, 7.7226,
8.4356

 101.7675, 62.9166,
68.6145


 12.2986, 3.9180,
4.2832


 129.7228, 83.8802,
91.4635

 7.0210, 1.6278,
1.7819

 162.3793,
109.0491, 118.8934

 3.5217, 0.3762,
0.4160

 200.1022,
138.8076, 151.3228

 1.4353, 0.0000,
0.0000

 243.2569,

 0.2812, 0.0000,

173.5401, 189.1702

0.0000

292.2088,
213.6310, 232.8543

■ 0.0000, 0.0000,
0.0000

■ 42.4545, 21.4129,
23.3682

■ 42.4545, 21.4129,
23.3682

■ 42.4524, 21.4120,
23.3576

■ 43.6281, 22.4304,
27.8593

■ 45.3254, 24.3497,
32.9730

■ 47.6828, 27.4397,
38.7678

■ 50.7835, 31.8627,
45.2841

■ 54.6976, 37.7550,
52.5571

■ 59.4866, 45.2357,
60.6190

■ 65.2057, 54.4118,
69.4993

■ 71.9055, 65.3808,
79.2256

■ 79.6326, 78.2327,
89.8241

Harmonies

Analogous

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



38.8383, 21.4129, 57.0851



42.4545, 21.4129, 23.3682



38.8669, 21.4129, 6.5070

Triad

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



42.4545, 21.4129, 23.3682



13.0086, 21.4129, 1.4736



12.9848, 21.4129, 95.6608

Complementary

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



42.4545, 21.4129, 23.3682



36.4175, 67.7841, 27.7065

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.



8.9107, 21.4129, 56.9181



42.4545, 21.4129, 23.3682



8.9214, 21.4129, 6.4678

Square

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



42.4545, 21.4129, 23.3682



20.3709, 21.4129, 0.6286



7.6688, 21.4129, 23.2619



20.3338, 21.4129, 113.3996

Rectangle

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



42.4545, 21.4129, 23.3682



33.3333, 21.4129, 2.3994



7.6688, 21.4129, 23.2619



11.2730, 21.4129, 83.7309

Sweetspot

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



42.4551, 21.4142, 23.3685



70.0546, 58.4180, 74.6454



23.8989, 10.3820, 88.7397



14.4126, 11.5643, 15.0913



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.



42.4551, 21.4142, 23.3685



45.6282, 23.0153, 25.0377



38.4038, 19.7936, 2.0346



16.8664, 16.6294, 19.0428



22.5242, 11.3531, 12.7348



2.0316, 1.0186, 1.3927

Inverse Universe

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



42.4551, 21.4142, 23.3685



45.6282, 23.0153, 25.0377



48.8072, 72.7400, 92.9499



16.8664, 16.6294, 19.0428



22.5242, 11.3531, 12.7348



2.0316, 1.0186, 1.3927

Previews

White Background



This preview shows how the XYZ color 42.4545, 21.4129, 23.3682 looks on a white background.

Color Contrast Check

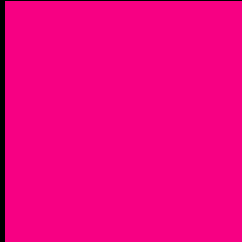
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.4545, 21.4129, 23.3682 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 42.4545, 21.4129, 23.3682

Background



This preview shows how black text looks on a background with the XYZ color 42.4545, 21.4129, 23.3682.



This preview shows how white text looks on a background with the XYZ color 42.4545, 21.4129,

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

42.4545, 21.4129, 23.3682

Protanopia

23.0814, 22.1041, 51.1941

Deuteranopia

22.4619, 22.0674, 21.1647



Tritanopia

38.8100, 21.7586, 5.4031

Trichromacy



Original Color

42.4545, 21.4129, 23.3682



Protanomaly

24.3084, 16.0829, 38.8689



Deuteranomaly

25.8617, 17.1631, 21.3518



Tritanomaly

39.3373, 20.9149, 9.7483

Monochromacy



Original Color

42.4545, 21.4129, 23.3682



Achromatopsia

9.4954, 9.9899, 10.8790



Achromatomaly

15.8159, 10.0367, 14.2004

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.4545, 21.4129, 23.3682 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(247, 0, 131)` looks like.

```
.text, #text, p{  
    color:rgb(247, 0, 131)  
}
```

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(247, 0, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 0, 131) }
```

Border

The CSS property to change the border of an element to XYZ 42.4545, 21.4129, 23.3682 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(247, 0, 131) }
```


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

```
.border{ border-color:rgb(247, 0, 131) }
```

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

Here you see how a box with a 4 pixel rgb(247, 0, 131) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 0, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 0, 131);  
box-shadow:4px 4px 4px 4px rgb(247, 0,  
131) }
```

Background

The CSS property to change the background color of an element to XYZ 42.4545, 21.4129, 23.3682 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 0, 131) }
```

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

```
.background{ background-color: rgb(247, 0,  
131) }
```

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