

Converting Colors

XYZ(42.3494, 21.3851, 22.1697)

Have a look what the booklet for
XYZ(42.3494, 21.3851, 22.1697)
contains.

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Color

**XYZ(42.2541, 21.3327,
22.3127)**

Conversions

Conversions Part 1

Format	Color
Hex	F70080
RGB	247, 0, 128
RGB Percent	97%, 0%, 50%
CMY	0.0314, 0.9998, 0.4980
CMYK	0.00, 1.00, 0.48, 0.03
HSL	329°, 100%, 48%
HSV	329°, 100%, 97%
XYZ	42.2541, 21.3327, 22.3127
YIQ	88.4450, 106.1240, 92.1720

Conversions

Conversions Part 2

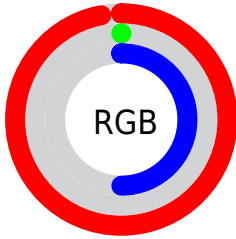
Format	Color
R_{YB}	247, 0, 128
Decimal	16187520
CIE _{Lab}	53.31, 82.85, 1.59
CIE _{LCh}	53, 82.862, 1.100
Yxy	21.3327, 0.4919, 0.2483
Android (android.graphics.Color)	4294377600 (0xFF70080)
YUV	88.4450, 19.5006, 139.0527
Hunter-Lab	46.1873, 82.4714, 3.6887

Details

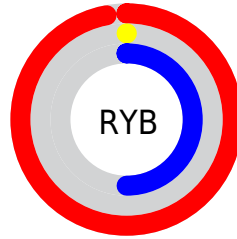
The XYZ color **42.2541, 21.3327, 22.3127** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark saturated rose. A complement of this color would be **36.5949, 67.8552, 28.6405**, and the grayscale version is **9.3229, 9.8084, 10.6814**.

A 20% lighter version of the original color is **53.9482, 33.3316, 47.3063**, and **21.1784, 10.7549, 8.3568** is the 20% darker color. If you saturate the color by 10%, you get **42.2521, 21.3319, 22.3026**, and if you desaturate by 10%, it is **43.4267, 22.3498, 26.7987**.

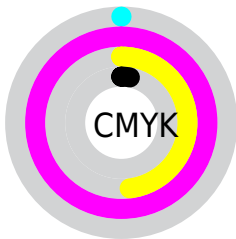
Distribution



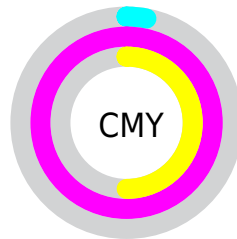
- Red (97%)
- Green (0%)
- Blue (50%)



- Red (97%)
- Yellow (0%)
- Blue (50%)



- Cyan (0%)
- Magenta (100%)
- Yellow (48%)
- Black (3%)





- Cyan (3%)
- Magenta (100%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.2541, 21.3327, 22.3127 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 42.2541, 21.3327, 22.3127 by changing the saturation by 10% instead.

 42.2541, 21.3327,
22.3127


 42.2541, 21.3327,
22.3127


346.5089,
259.0414, 277.1815

 29.4923, 13.3674,
13.8863


 77.8468, 45.6406,
48.1711


 19.5997, 7.6820,
7.9038


 101.4084, 62.7520,
66.4402

 12.2110, 3.8922,
3.9466


 129.3007, 83.6808,
88.8273

 6.9607, 1.6134,
1.5961

 161.8889,
108.8116, 115.7509

 3.4837, 0.3666,
0.2880

 199.5385,
138.5286, 147.6296

 1.4144, 0.0000,
0.0000

 242.6148,

 0.2664, 0.0000,

173.2163, 184.8819

0.0000

291.4831,
213.2591, 227.9264

■ 0.0000, 0.0000,
0.0000

■ 42.2541, 21.3327,
22.3127

■ 42.2541, 21.3327,
22.3127

■ 42.2521, 21.3319,
22.3026

■ 43.4267, 22.3498,
26.7987

■ 45.1270, 24.2702,
31.9288

■ 47.4918, 27.3631,
37.7629

■ 50.6045, 31.7908,
44.3424

■ 54.5353, 37.6896,
51.7037

■ 59.3460, 45.1789,
59.8800

■ 65.0919, 54.3656,
68.9019

■ 71.8238, 65.3473,
78.7979

■ 79.5886, 78.2141,
89.5951

Harmonies

Analogous

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



38.9228, 21.3327, 55.2784



42.2541, 21.3327, 22.3127



38.4248, 21.3327, 6.1418

Triad

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



42.2541, 21.3327, 22.3127



12.7505, 21.3327, 1.5576



13.1666, 21.3327, 96.4016

Complementary

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



42.2541, 21.3327, 22.3127



36.5949, 67.8552, 28.6405

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.



8.9891, 21.3327, 58.1909



42.2541, 21.3327, 22.3127



8.8022, 21.3327, 6.8275

Square

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



42.2541, 21.3327, 22.3127



19.9540, 21.3327, 0.6341



7.6533, 21.3327, 24.1673



20.6016, 21.3327, 112.7665

Rectangle

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



42.2541, 21.3327, 22.3127



32.8230, 21.3327, 2.2664



7.6533, 21.3327, 24.1673



11.4197, 21.3327, 84.7717

Sweetspot

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



42.2547, 21.3340, 22.3130



69.9326, 58.3691, 74.0027



23.8988, 10.3819, 88.7398



14.3837, 11.5527, 14.9393



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.



42.2547, 21.3340, 22.3130



45.4128, 22.9291, 23.9036



38.4038, 19.7936, 2.0346



16.8577, 16.6259, 18.9970



22.4180, 11.3106, 12.1756



2.0223, 1.0149, 1.3436

Inverse Universe

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



42.2547, 21.3340, 22.3130



45.4128, 22.9291, 23.9036



48.8073, 72.7401, 92.9500



16.8577, 16.6259, 18.9970



22.4180, 11.3106, 12.1756



2.0223, 1.0149, 1.3436

Previews

White Background



This preview shows how the XYZ color 42.2541, 21.3327, 22.3127 looks on a white background.

Color Contrast Check

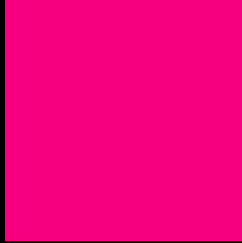
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.2541, 21.3327, 22.3127 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 42.2541, 21.3327, 22.3127

Background



This preview shows how black text looks on a background with the XYZ color 42.2541, 21.3327, 22.3127.



This preview shows how white text looks on a background with the XYZ color 42.2541, 21.3327, 22.3127.

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

42.2541, 21.3327, 22.3127

Protanopia

22.7767, 21.9965, 48.9442

Deuteranopia

22.1547, 21.7431, 20.1687



Tritanopia

38.7435, 21.6614, 5.2710

Trichromacy



Original Color

42.2541, 21.3327, 22.3127



Protanomaly

24.1405, 16.0388, 36.9454



Deuteranomaly

25.6002, 16.9422, 20.3332



Tritanomaly

39.2360, 20.8306, 9.3499

Monochromacy



Original Color

42.2541, 21.3327, 22.3127



Achromatopsia

9.2757, 9.7587, 10.6273



Achromatomaly

15.7164, 9.9186, 13.9181

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.2541, 21.3327, 22.3127 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, 128)` looks like.

```
.text, #text, p{  
    color:rgb(247, 0, 128)  
}
```

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, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 0, 128) }
```

Border

The CSS property to change the border of an element to XYZ 42.2541, 21.3327, 22.3127 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, 128) }
```


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

```
.border{ border-color:rgb(247, 0, 128) }
```

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, 128) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 0, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 0, 128);  
box-shadow:4px 4px 4px 4px rgb(247, 0,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 42.2541, 21.3327, 22.3127 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, 128) }
```

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

```
.background{ background-color: rgb(247, 0,  
128) }
```

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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