

Converting Colors

XYZ(42.8638, 22.0598, 13.7212)

Have a look what the booklet for
XYZ(42.8638, 22.0598, 13.7212)
contains.

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Color

**XYZ(42.9041, 22.0713,
13.8033)**

Conversions

Conversions Part 1

Format	Color
Hex	FD0D63
RGB	253, 13, 99
RGB Percent	99%, 5%, 39%
CMY	0.0078, 0.9488, 0.6118
CMYK	0.00, 0.95, 0.61, 0.01
HSL	339°, 98%, 52%
HSV	339°, 95%, 99%
XYZ	42.9041, 22.0713, 13.8033
YIQ	94.5640, 115.4340, 77.6260

Conversions

Conversions Part 2

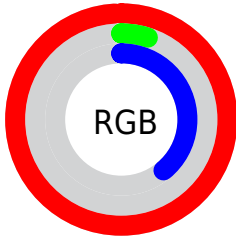
Format	Color
R_{YB}	253, 13, 99
Decimal	16584035
CIE _{Lab}	54.10, 81.39, 20.40
CIE _{LCh}	54, 83.902, 14.069
Yxy	22.0713, 0.5446, 0.2802
Android (android.graphics.Color)	4294774115 (0xFFFD0D63)
YUV	94.5640, 2.1869, 138.9484
Hunter-Lab	46.9801, 80.7981, 15.4660

Details

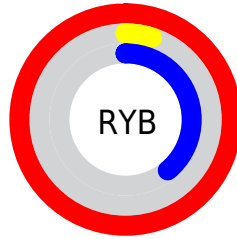
The XYZ color **42.9041, 22.0713, 13.8033** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark saturated rose. A complement of this color would be **42.2719, 73.1283, 48.4721**, and the grayscale version is **10.7558, 11.3159, 12.3230**.

A 20% lighter version of the original color is **51.3185, 32.7373, 32.0479**, and **21.3816, 10.9484, 4.3545** is the 20% darker color. If you saturate the color by 10%, you get **42.3799, 21.6314, 11.7539**, and if you desaturate by 10%, it is **44.3206, 23.5348, 18.4983**.

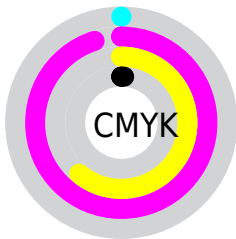
Distribution



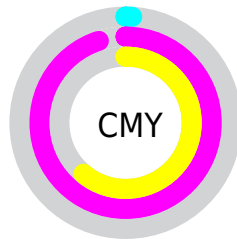
- Red (99%)
- Green (5%)
- Blue (39%)



- Red (99%)
- Yellow (5%)
- Blue (39%)



- Cyan (0%)
- Magenta (95%)
- Yellow (61%)
- Black (1%)





- Cyan (1%)
- Magenta (95%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.9041, 22.0713, 13.8033 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 42.9041, 22.0713, 13.8033 by changing the saturation by 10% instead.


 42.9041, 22.0713,
13.8033


 42.9041, 22.0713,
13.8033


349.1454,
262.9184, 227.3894


 30.0041, 13.9093,
7.8468


 78.8227, 46.8638,
33.4517

 19.9898, 8.0576,
3.9107


 102.5721, 64.2631,
47.9807


 12.4958, 4.1318,
1.5765


 130.6685, 85.5103,
66.2042

 7.1569, 1.7476,
0.2740

 163.4775,
110.9898, 88.5409

 3.6076, 0.4542,
0.0000

 201.3643,
141.0859, 115.4092

 1.4826, 0.0000,
0.0000

244.6943,

 0.3140, 0.0000,

176.1831, 147.2277

0.0000

293.8329,
216.6658, 184.4149

■ 0.0000, 0.0000,
0.0000

■ 42.9041, 22.0713,
13.8033

■ 42.9041, 22.0713,
13.8033

■ 42.3799, 21.6314,
11.7539

■ 44.3206, 23.5348,
18.4983

■ 46.4509, 26.1621,
24.2438

■ 49.3990, 30.1487,
31.1139

■ 53.2503, 35.6531,
39.1741

■ 58.0784, 42.8116,
48.4835

63.9491, 51.7450,
59.0969

70.9223, 62.5631,
71.0656

79.0532, 75.3664,
84.4378

88.3930, 90.2484,
99.2591

Harmonies

Analogous

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



42.6678, 22.0713, 40.5518



42.9041, 22.0713, 13.8033



36.2052, 22.0713, 3.3245

Triad

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



42.9041, 22.0713, 13.8033



11.0200, 22.0713, 3.0264



16.5380, 22.0713, 111.4278

Complementary

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



42.9041, 22.0713, 13.8033



42.2719, 73.1283, 48.4721

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.



10.7608, 22.0713, 78.3518



42.9041, 22.0713, 13.8033



8.2617, 22.0713, 12.7464

Square

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



42.9041, 22.0713, 13.8033



17.0103, 22.0713, 0.8316



8.1830, 22.0713, 38.3666



25.5194, 22.0713, 112.6019

Rectangle

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



42.9041, 22.0713, 13.8033



29.5849, 22.0713, 1.2746



8.1830, 22.0713, 38.3666



14.2269, 22.0713, 102.9849

Sweetspot

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



42.9046, 22.0727, 13.8036



69.8278, 59.9871, 68.3335



33.3953, 15.3825, 94.1372



14.2937, 11.8283, 13.5047



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.



42.9046, 22.0727, 13.8036



43.1430, 22.0212, 11.9510



41.5210, 22.7921, 2.5935



18.2782, 18.0946, 20.0820



22.6076, 11.5323, 6.5843



2.2511, 1.1428, 0.9039

Inverse Universe

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



42.9046, 22.0727, 13.8036



43.1430, 22.0212, 11.9510



43.7546, 58.8943, 101.9898



18.2782, 18.0946, 20.0820



22.6076, 11.5323, 6.5843



2.2511, 1.1428, 0.9039

Previews

White Background



This preview shows how the XYZ color 42.9041, 22.0713, 13.8033 looks on a white background.

Color Contrast Check

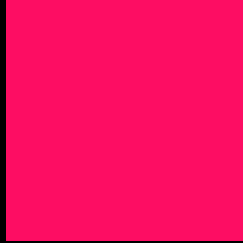
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.9041, 22.0713, 13.8033 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

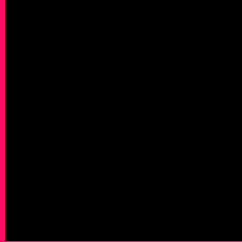
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.9041, 22.0713, 13.8033

Background



This preview shows how black text looks on a background with the XYZ color 42.9041, 22.0713, 13.8033.

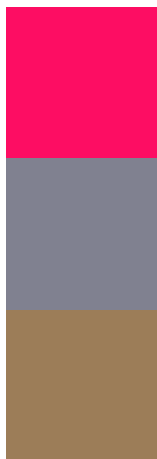


This preview shows how white text looks on a background with the XYZ color 42.9041, 22.0713,

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

42.9041, 22.0713, 13.8033

Protanopia

21.7864, 22.3033, 29.5423

Deuteranopia

22.8054, 22.4397, 12.3618



Tritanopia

40.9428, 22.2416, 4.0546

Trichromacy



Original Color

42.9041, 22.0713, 13.8033



Protanomaly

24.5381, 17.2591, 22.4601



Deuteranomaly

26.5879, 18.1897, 12.2348



Tritanomaly

41.4772, 22.0123, 6.4776

Monochromacy



Original Color

42.9041, 22.0713, 13.8033



Achromatopsia

10.8771, 11.4435, 12.4620



Achromatomaly

16.9505, 11.3005, 12.3542

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.9041, 22.0713, 13.8033 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(253, 13, 99)` looks like.

```
.text, #text, p{  
    color:rgb(253, 13, 99)  
}
```

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(253, 13, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 13, 99) }
```

Border

The CSS property to change the border of an element to XYZ 42.9041, 22.0713, 13.8033 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(253, 13, 99) }
```


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

```
.border{ border-color:rgb(253, 13, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 13, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 13, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 13, 99);  
box-shadow:4px 4px 4px 4px rgb(253, 13,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 42.9041, 22.0713, 13.8033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 13, 99) }
```

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

```
.background{ background-color: rgb(253, 13,  
99) }
```

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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