

Converting Colors

XYZ(42.2357, 21.4102, 18.4916)

Have a look what the booklet for
XYZ(42.2357, 21.4102, 18.4916)
contains.

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Color

**XYZ(42.2193, 21.4007,
18.4285)**

Conversions

Conversions Part 1

Format	Color
Hex	F90074
RGB	249, 0, 116
RGB Percent	98%, 0%, 45%
CMY	0.0235, 0.9997, 0.5451
CMYK	0.00, 1.00, 0.53, 0.02
HSL	332°, 100%, 49%
HSV	332°, 100%, 98%
XYZ	42.2193, 21.4007, 18.4285
YIQ	87.6750, 111.1680, 88.8640

Conversions

Conversions Part 2

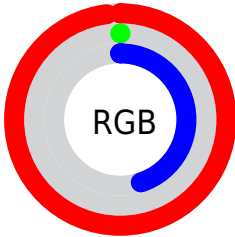
Format	Color
R_{YB}	249, 0, 116
Decimal	16318580
CIE Lab	53.39, 82.43, 9.00
CIE LCh	53, 82.915, 6.231
Yxy	21.4007, 0.5146, 0.2608
Android (android.graphics.Color)	4294508660 (0xFFFF90074)
YUV	87.6750, 13.9642, 141.4820
Hunter-Lab	46.2609, 81.9488, 8.7638

Details

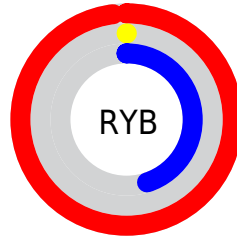
The XYZ color **42.2193, 21.4007, 18.4285** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark saturated rose. A complement of this color would be **38.1143, 69.4467, 33.6089**, and the grayscale version is **9.1664, 9.6438, 10.5021**.

A 20% lighter version of the original color is **52.6756, 32.8225, 40.6049**, and **21.0818, 10.7440, 6.5929** is the 20% darker color. If you saturate the color by 10%, you get **42.2172, 21.3998, 18.4181**, and if you desaturate by 10%, it is **43.3963, 22.4264, 22.9163**.

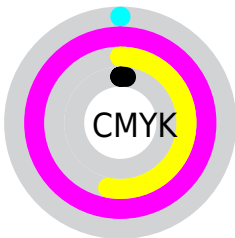
Distribution



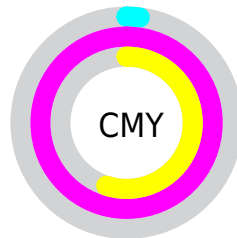
- Red (98%)
- Green (0%)
- Blue (45%)



- Red (98%)
- Yellow (0%)
- Blue (45%)



- Cyan (0%)
- Magenta (100%)
- Yellow (53%)
- Black (2%)





- Cyan (2%)
- Magenta (100%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.2193, 21.4007, 18.4285 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 42.2193, 21.4007, 18.4285 by changing the saturation by 10% instead.


 42.2193, 21.4007,
18.4285


 42.2193, 21.4007,
18.4285


346.3674,
259.4004, 255.5920


 29.4649, 13.4172,
11.0855


 77.7945, 45.7535,
41.5899


 19.5788, 7.7165,
6.0094


 101.3460, 62.8915,
58.2453


 12.1958, 3.9141,
2.7819


 129.2273, 83.8499,
78.8419

 6.9503, 1.6256,
0.9844

 161.8037,
109.0130, 103.7983

 3.4771, 0.3748,
0.0000

 199.4405,
138.7652, 133.5330

 1.4108, 0.0000,
0.0000

 242.5032,

 0.2639, 0.0000,

173.4909, 168.4644

0.0000

291.3570,
213.5745, 209.0113

■ 0.0000, 0.0000,
0.0000

■ 42.2193, 21.4007,
18.4285

■ 42.2193, 21.4007,
18.4285

■ 42.2172, 21.3998,
18.4181

■ 43.3963, 22.4264,
22.9163

■ 45.1297, 24.3805,
28.1580

■ 47.5600, 27.5371,
34.2211

■ 50.7732, 32.0622,
41.1539

■ 54.8423, 38.0954,
48.9992

■ 59.8310, 45.7589,
57.7962

■ 65.7971, 55.1620,
67.5813

■ 72.7930, 66.4047,
78.3884

■ 80.8675, 79.5793,
90.2497

Harmonies

Analogous

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



40.0841, 21.4007, 48.7929



42.2193, 21.4007, 18.4285



37.2665, 21.4007, 4.7942

Triad

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



42.2193, 21.4007, 18.4285



11.8906, 21.4007, 1.9974



14.2556, 21.4007, 101.7162

Complementary

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



42.2193, 21.4007, 18.4285



38.1143, 69.4467, 33.6089

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.



9.5185, 21.4007, 65.2715



42.2193, 21.4007, 18.4285



8.4541, 21.4007, 8.7209

Square

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



42.2193, 21.4007, 18.4285



18.5592, 21.4007, 0.6724



7.7321, 21.4007, 28.9662



22.2328, 21.4007, 112.2740

Rectangle

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



42.2193, 21.4007, 18.4285



31.2679, 21.4007, 1.7741



7.7321, 21.4007, 28.9662



12.3118, 21.4007, 91.2413

Sweetspot

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



42.2198, 21.4020, 18.4288



69.4140, 58.1617, 71.2720



26.7455, 11.8136, 90.4928



14.2613, 11.5038, 14.2947



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.



42.2198, 21.4020, 18.4288



44.5554, 22.5862, 19.3887



39.1579, 20.3213, 1.8604



17.5810, 17.3598, 19.6493



22.6685, 11.4831, 10.2288



2.1525, 1.0847, 1.2263

Inverse Universe

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



42.2198, 21.4020, 18.4288



44.5554, 22.5862, 19.3887



48.4667, 69.5741, 100.4968



17.5810, 17.3598, 19.6493



22.6685, 11.4831, 10.2288



2.1525, 1.0847, 1.2263

Previews

White Background



This preview shows how the XYZ color 42.2193, 21.4007, 18.4285 looks on a white background.

Color Contrast Check

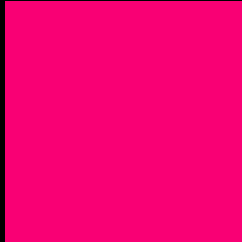
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.2193, 21.4007, 18.4285 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 42.2193, 21.4007, 18.4285

Background



This preview shows how black text looks on a background with the XYZ color 42.2193, 21.4007, 18.4285.



This preview shows how white text looks on a background with the XYZ color 42.2193, 21.4007,

18.4285.

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

42.2193, 21.4007, 18.4285

Protanopia

22.2583, 22.1170, 40.1417

Deuteranopia

22.2036, 21.8455, 16.6820



Tritanopia

39.4567, 21.7363, 4.5985

Trichromacy



Original Color

42.2193, 21.4007, 18.4285



Protanomaly

24.0931, 16.1618, 30.2835



Deuteranomaly

25.6180, 17.0320, 16.6891



Tritanomaly

39.9345, 21.1078, 7.9307

Monochromacy



Original Color

42.2193, 21.4007, 18.4285



Achromatopsia

9.2757, 9.7587, 10.6273



Achromatomaly

15.6514, 9.9132, 12.6438

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.2193, 21.4007, 18.4285 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, 116)` looks like.

```
.text, #text, p{  
  color:rgb(249, 0, 116)  
}
```

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, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 0, 116) }
```

Border

The CSS property to change the border of an element to XYZ 42.2193, 21.4007, 18.4285 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, 116) }
```


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

```
.border{ border-color:rgb(249, 0, 116) }
```

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, 116) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 0, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 0, 116);  
box-shadow:4px 4px 4px 4px rgb(249, 0,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 42.2193, 21.4007, 18.4285 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, 116) }
```

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

```
.background{ background-color: rgb(249, 0,  
116) }
```

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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