

Converting Colors

XYZ(41.9110, 21.2097, 19.8616)

Have a look what the booklet for
XYZ(41.9110, 21.2097, 19.8616)
contains.

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Color

**XYZ(41.8090, 21.1546,
19.9688)**

Conversions

Conversions Part 1

Format	Color
Hex	F70079
RGB	247, 0, 121
RGB Percent	97%, 0%, 47%
CMY	0.0314, 0.9998, 0.5255
CMYK	0.00, 1.00, 0.51, 0.03
HSL	331°, 100%, 48%
HSV	331°, 100%, 97%
XYZ	41.8090, 21.1546, 19.9688
YIQ	87.6470, 108.3710, 89.9950

Conversions

Conversions Part 2

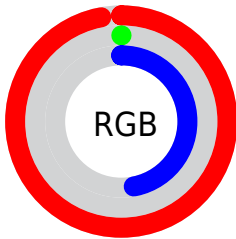
Format	Color
R_{YB}	247, 0, 121
Decimal	16187513
CIE _{Lab}	53.12, 82.34, 5.54
CIE _{LCh}	53, 82.522, 3.849
Yxy	21.1546, 0.5041, 0.2551
Android (android.graphics.Color)	4294377593 (0xFF70079)
YUV	87.6470, 16.4430, 139.7526
Hunter-Lab	45.9941, 81.7681, 6.4546

Details

The XYZ color **41.8090, 21.1546, 19.9688** 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 **37.0311, 68.0297, 30.9375**, and the grayscale version is **9.1549, 9.6316, 10.4889**.

A 20% lighter version of the original color is **53.1505, 33.0125, 43.1059**, and **20.7310, 10.5483, 7.2467** is the 20% darker color. If you saturate the color by 10%, you get **41.8071, 21.1539, 19.9593**, and if you desaturate by 10%, it is **42.9756, 22.1693, 24.4234**.

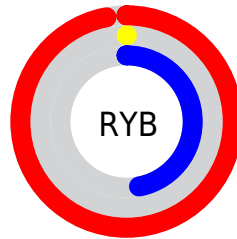
Distribution



Red (97%)

Green (0%)

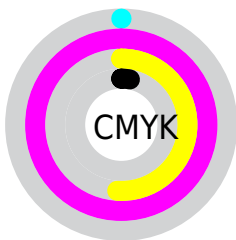
Blue (47%)



Red (97%)

Yellow (0%)

Blue (47%)

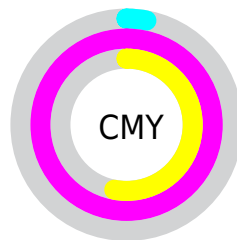


Cyan (0%)

Magenta (100%)

Yellow (51%)

Black (3%)



Cyan (3%)


Magenta (100%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.8090, 21.1546, 19.9688 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 41.8090, 21.1546, 19.9688 by changing the saturation by 10% instead.


 41.8090, 21.1546,
19.9688


 41.8090, 21.1546,
19.9688


344.6957,
258.0990, 264.3448


 29.1422, 13.2371,
12.1885


 77.1775, 45.3447,
44.2232


 19.3333, 7.5920,
6.7481


 100.6098, 62.3860,
61.5343


 12.0168, 3.8350,
3.2290


 128.3615, 83.2374,
82.8595

 6.8274, 1.5817,
1.2127

 160.7977,
108.2833, 108.6172

 3.3997, 0.3452,
0.0000

 198.2839,
137.9079, 139.2261

 1.3685, 0.0000,
0.0000

 241.1853,

 0.2336, 0.0000,

172.4958, 175.1046

0.0000

289.8675,
212.4314, 216.6714

■ 0.0000, 0.0000,
0.0000

■ 41.8090, 21.1546,
19.9688

■ 41.8090, 21.1546,
19.9688

■ 41.8071, 21.1539,
19.9593

■ 42.9756, 22.1693,
24.4234

■ 44.6796, 24.0910,
29.5734

■ 47.0585, 27.1894,
35.4819

■ 50.1961, 31.6269,
42.1932

■ 54.1634, 37.5402,
49.7468

■ 59.0224, 45.0487,
58.1784

■ 64.8292, 54.2596,
67.5212

■ 71.6349, 65.2706,
77.8063

■ 79.4868, 78.1721,
89.0629

Harmonies

Analogous

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



39.1428, 21.1546, 51.2154



41.8090, 21.1546, 19.9688



37.4202, 21.1546, 5.3392

Triad

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



41.8090, 21.1546, 19.9688



12.1623, 21.1546, 1.7668



13.6052, 21.1546, 98.2178

Complementary

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



41.8090, 21.1546, 19.9688



37.0311, 68.0297, 30.9375

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.



9.1778, 21.1546, 61.2893



41.8090, 21.1546, 19.9688



8.5289, 21.1546, 7.7257

Square

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



41.8090, 21.1546, 19.9688



19.0060, 21.1546, 0.6465



7.6190, 21.1546, 26.3973



21.2493, 21.1546, 111.3607

Rectangle

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



41.8090, 21.1546, 19.9688



31.6616, 21.1546, 1.9735



7.6190, 21.1546, 26.3973



11.7732, 21.1546, 87.3031

Sweetspot

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



41.8096, 21.1559, 19.9691



69.6504, 58.2563, 72.5167



25.0334, 10.9667, 88.7929



14.3170, 11.5260, 14.5882



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.



41.8096, 21.1559, 19.9691



44.9346, 22.7378, 21.3853



38.3587, 19.7755, 1.7970



16.8374, 16.6178, 18.8903



22.1818, 11.2161, 10.9316



2.0013, 1.0065, 1.2334

Inverse Universe

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



41.8096, 21.1559, 19.9691



44.9346, 22.7378, 21.3853



50.0499, 73.2372, 99.4938



16.8374, 16.6178, 18.8903



22.1818, 11.2161, 10.9316



2.0013, 1.0065, 1.2334

Previews

White Background



This preview shows how the XYZ color 41.8090, 21.1546, 19.9688 looks on a white background.

Color Contrast Check

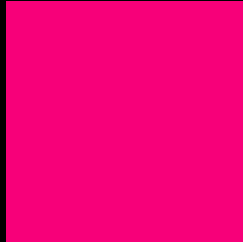
Large Text (above 18pt) WCAG AA ✓ Pass

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 41.8090, 21.1546, 19.9688 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 41.8090, 21.1546, 19.9688

Background



This preview shows how black text looks on a background with the XYZ color 41.8090, 21.1546, 19.9688.



This preview shows how white text looks on a background with the XYZ color 41.8090, 21.1546,

19.9688.

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

41.8090, 21.1546, 19.9688

Protanopia

22.2667, 21.8513, 43.6016

Deuteranopia

22.1095, 21.7660, 18.0749



Tritanopia

38.8987, 21.5604, 4.9077

Trichromacy



Original Color

41.8090, 21.1546, 19.9688



Protanomaly

23.7591, 15.9328, 32.8334



Deuteranomaly

25.4189, 16.8970, 18.1414



Tritanomaly

39.4162, 20.9005, 8.6133

Monochromacy



Original Color

41.8090, 21.1546, 19.9688



Achromatopsia

9.2757, 9.7587, 10.6273



Achromatomaly

15.5685, 9.8594, 13.1391

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.8090, 21.1546, 19.9688 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, 121)` looks like.

```
.text, #text, p{  
    color:rgb(247, 0, 121)  
}
```

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, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 0, 121) }
```

Border

The CSS property to change the border of an element to XYZ 41.8090, 21.1546, 19.9688 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, 121) }
```


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

```
.border{ border-color:rgb(247, 0, 121) }
```

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, 121) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 0, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 0, 121);  
box-shadow:4px 4px 4px 4px rgb(247, 0,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 41.8090, 21.1546, 19.9688 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, 121) }
```

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

```
.background{ background-color: rgb(247, 0,  
121) }
```

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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