

Converting Colors

XYZ(42.5042, 21.5518, 18.2506)

Have a look what the booklet for
XYZ(42.5042, 21.5518, 18.2506)
contains.

XYZ(42.5189, 21.5618, 18.1405)	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(42.5189, 21.5618,
18.1405)**

Conversions

Conversions Part 1

Format	Color
Hex	FA0073
RGB	250, 0, 115
RGB Percent	98%, 0%, 45%
CMY	0.0196, 0.9998, 0.5490
CMYK	0.00, 1.00, 0.54, 0.02
HSL	332°, 100%, 49%
HSV	332°, 100%, 98%
XYZ	42.5189, 21.5618, 18.1405
YIQ	87.8600, 112.0850, 88.7650

Conversions

Conversions Part 2

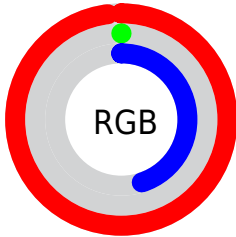
Format	Color
R_{YB}	250, 0, 115
Decimal	16384115
CIE _{Lab}	53.56, 82.58, 9.88
CIE _{LCh}	54, 83.166, 6.822
Yxy	21.5618, 0.5171, 0.2622
Android (android.graphics.Color)	4294574195 (0xFFFA0073)
YUV	87.8600, 13.3800, 142.1968
Hunter-Lab	46.4347, 82.1866, 9.3416

Details

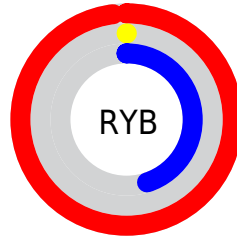
The XYZ color **42.5189, 21.5618, 18.1405** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark saturated rose. A complement of this color would be **38.5638, 70.1225, 34.4470**, and the grayscale version is **9.2075, 9.6870, 10.5491**.

A 20% lighter version of the original color is **52.5827, 32.7854, 40.1160**, and **21.2931, 10.8565, 6.4421** is the 20% darker color. If you saturate the color by 10%, you get **42.5168, 21.5610, 18.1304**, and if you desaturate by 10%, it is **43.7027, 22.5937, 22.6539**.

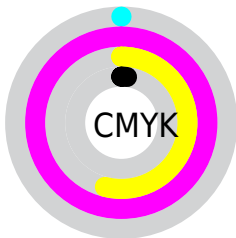
Distribution



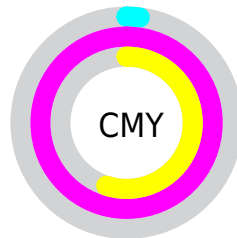
- Red (98%)
- Green (0%)
- Blue (45%)



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



- Cyan (0%)
- Magenta (100%)
- Yellow (54%)
- Black (2%)




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

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.5189, 21.5618, 18.1405 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 42.5189, 21.5618, 18.1405 by changing the saturation by 10% instead.


 42.5189, 21.5618,
18.1405


 42.5189, 21.5618,
18.1405


347.5846,
260.2493, 253.9244


 29.7007, 13.5353,
10.8804


 78.2446, 46.0207,
41.0938


 19.7585, 7.7982,
5.8733


 101.8828, 63.2218,
57.6240


 12.3268, 3.9661,
2.7007


 129.8584, 84.2499,
78.0814

 7.0405, 1.6546,
0.9438

 162.5368,
109.4894, 102.8845

 3.5340, 0.3940,
0.0000

 200.2832,
139.3247, 132.4518

 1.4420, 0.0000,
0.0000

 243.4631,

 0.2859, 0.0000,

174.1402, 167.2019

0.0000

292.4418,
214.3203, 207.5532

■ 0.0000, 0.0000,
0.0000

■ 42.5189, 21.5618,
18.1405

■ 42.5189, 21.5618,
18.1405

■ 42.5168, 21.5610,
18.1304

■ 43.7027, 22.5937,
22.6539

■ 45.4505, 24.5637,
27.9397

■ 47.9039, 27.7483,
34.0666

■ 51.1501, 32.3153,
41.0844

■ 55.2628, 38.4057,
49.0369

60.3066, 46.1429,
57.9646

66.3399, 55.6375,
67.9046

73.4158, 66.9904,
78.8920

81.5837, 80.2950,
90.9598

Harmonies

Analogous

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



40.5087, 21.5618, 48.4249



42.5189, 21.5618, 18.1405



37.4012, 21.5618, 4.6855

Triad

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



42.5189, 21.5618, 18.1405



11.8780, 21.5618, 2.0672



14.4877, 21.5618, 103.0805

Complementary

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



42.5189, 21.5618, 18.1405



38.5638, 70.1225, 34.4470

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.



9.6491, 21.5618, 66.5999



42.5189, 21.5618, 18.1405



8.4743, 21.5618, 9.0231

Square

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



42.5189, 21.5618, 18.1405



18.5342, 21.5618, 0.6828



7.7962, 21.5618, 29.7695



22.5870, 21.5618, 113.0277

Rectangle

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



42.5189, 21.5618, 18.1405



31.3149, 21.5618, 1.7344



7.7962, 21.5618, 29.7695



12.5061, 21.5618, 92.6721

Sweetspot

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



42.5194, 21.5631, 18.1408



69.3568, 58.1388, 70.9706



26.9861, 11.9196, 91.3206



14.2478, 11.4984, 14.2237



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.



42.5194, 21.5631, 18.1408



44.4666, 22.5506, 18.9208



39.5157, 20.5063, 1.8772



17.5766, 17.3580, 19.6263



22.6231, 11.4650, 9.9897



2.1481, 1.0830, 1.2035

Inverse Universe

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



42.5194, 21.5631, 18.1408



44.4666, 22.5506, 18.9208



48.9096, 70.2096, 101.4163



17.5766, 17.3580, 19.6263



22.6231, 11.4650, 9.9897



2.1481, 1.0830, 1.2035

Previews

White Background



This preview shows how the XYZ color 42.5189, 21.5618, 18.1405 looks on a white background.

Color Contrast Check

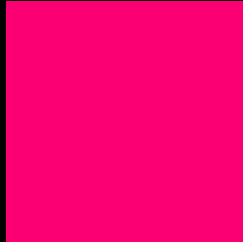
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.5189, 21.5618, 18.1405 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 42.5189, 21.5618, 18.1405

Background



This preview shows how black text looks on a background with the XYZ color 42.5189, 21.5618, 18.1405.



This preview shows how white text looks on a background with the XYZ color 42.5189, 21.5618,

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

42.5189, 21.5618, 18.1405

Protanopia

22.3020, 22.1503, 39.6592

Deuteranopia

22.3351, 21.9193, 16.4183



Tritanopia

39.8084, 21.9176, 4.6150

Trichromacy



Original Color

42.5189, 21.5618, 18.1405



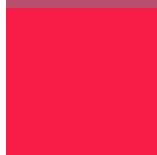
Protanomaly

24.2241, 16.2385, 29.8746



Deuteranomaly

25.8060, 17.1352, 16.4153



Tritanomaly

40.2563, 21.2774, 7.7796

Monochromacy



Original Color

42.5189, 21.5618, 18.1405



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 42.5189, 21.5618, 18.1405 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(250, 0, 115)` looks like.

```
.text, #text, p{  
    color:rgb(250, 0, 115)  
}
```

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(250, 0, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 0, 115) }
```

Border

The CSS property to change the border of an element to XYZ 42.5189, 21.5618, 18.1405 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(250, 0, 115) }
```


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

```
.border{ border-color:rgb(250, 0, 115) }
```

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

Here you see how a box with a 4 pixel rgb(250, 0, 115) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 0, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 0, 115);  
box-shadow:4px 4px 4px 4px rgb(250, 0,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 42.5189, 21.5618, 18.1405 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 0, 115) }
```

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

```
.background{ background-color: rgb(250, 0,  
115) }
```

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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