

Converting Colors

XYZ(45.0210, 24.4291, 23.8152)

Have a look what the booklet for
XYZ(45.0210, 24.4291, 23.8152)
contains.

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Color

**XYZ(45.0210, 24.4291,
23.8152)**

Conversions

Conversions Part 1

Format	Color
Hex	FB3283
RGB	251, 50, 131
RGB Percent	98%, 20%, 51%
CMY	0.0157, 0.8039, 0.4863
CMYK	0.00, 0.80, 0.48, 0.02
HSL	336°, 96%, 59%
HSV	336°, 80%, 98%
XYZ	45.0210, 24.4291, 23.8152
YIQ	119.3330, 93.7950, 67.8030

Conversions

Conversions Part 2

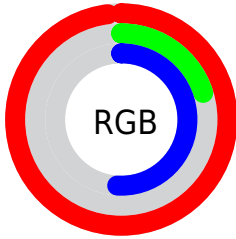
Format	Color
R_{YB}	251, 50, 131
Decimal	16462467
CIE _{Lab}	56.51, 77.19, 4.52
CIE _{LCh}	57, 77.327, 3.354
Yxy	24.4291, 0.4827, 0.2619
Android (android.graphics.Color)	4294652547 (0xFFFB3283)
YUV	119.3330, 5.7518, 115.4720
Hunter-Lab	49.4258, 76.0970, 6.0299

Details

The XYZ color **45.0210, 24.4291, 23.8152** is a dark color, and the websafe version is hex **FF3399**. The color can be described as middle washed rose. A complement of this color would be **43.0705, 72.5756, 49.7765**, and the grayscale version is **17.6040, 18.5207, 20.1691**.

A 20% lighter version of the original color is **56.2530, 37.4433, 49.6098**, and **22.2620, 11.3006, 8.9905** is the 20% darker color. If you saturate the color by 10%, you get **43.2826, 22.4622, 18.5818**, and if you desaturate by 10%, it is **47.4948, 27.6321, 30.0190**.

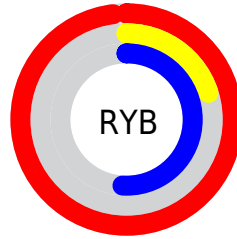
Distribution



Red (98%)

Green (20%)

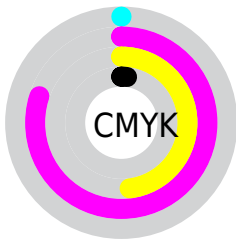
Blue (51%)



Red (98%)

Yellow (20%)

Blue (51%)

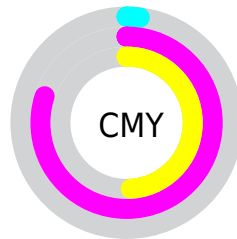


Cyan (0%)

Magenta (80%)

Yellow (48%)

Black (2%)



Cyan (2%)


Magenta (80%)


Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.0210, 24.4291, 23.8152 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 45.0210, 24.4291, 23.8152 by changing the saturation by 10% instead.


 45.0210, 24.4291,
23.8152


 45.0210, 24.4291,
23.8152


357.6409,
274.9827, 285.1413

 31.6753, 15.6522,
14.9857


 81.9888, 50.7295,
50.6685


 21.2680, 9.2784,
8.6628


 106.3416, 69.0219,
69.5294


 13.4336, 4.9232,
4.4281

 135.0942, 91.2548,
92.5711

 7.8068, 2.2023,
1.8630

 168.6119,
117.8128, 120.2122

 4.0224, 0.7212,
0.4691

 207.2600,
149.0802, 152.8712

 1.7148, 0.0000,
0.0000

251.4040,

 0.4655, 0.0000,

185.4414, 190.9667

0.0000

301.4092,
227.2808, 234.9172

■ 0.0000, 0.0000,
0.0000

■ 45.0210, 24.4291,
23.8152

■ 45.0210, 24.4291,
23.8152

■ 43.2826, 22.4622,
18.5818

■ 47.4948, 27.6321,
30.0190


■ 42.1393, 21.4515,
14.2669


■ 50.7922, 32.2374,
37.2511


■ 54.9897, 38.3897,
45.5648

■ 60.1545, 46.2142,
55.0085

■ 66.3465, 55.8235,
65.6271

 73.6211, 67.3199,
77.4630

 82.0292, 80.7983,
90.5560

 91.6187, 96.3470,
104.9441

 93.5936, 99.2492,
108.8318

Harmonies

Analogous

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



42.2786, 24.4291, 55.4407



45.0210, 24.4291, 23.8152



40.7931, 24.4291, 7.6455

Triad

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



45.0210, 24.4291, 23.8152



14.9747, 24.4291, 3.0043



16.3163, 24.4291, 99.5894

Complementary

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



45.0210, 24.4291, 23.8152



43.0705, 72.5756, 49.7765

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.



11.5943, 24.4291, 64.0071



45.0210, 24.4291, 23.8152



10.9713, 24.4291, 10.0368

Square

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



45.0210, 24.4291, 23.8152



22.2255, 24.4291, 1.4894



9.9147, 24.4291, 29.5920



24.2419, 24.4291, 112.5492

Rectangle

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



45.0210, 24.4291, 23.8152



35.0986, 24.4291, 3.4006



9.9147, 24.4291, 29.5920



14.3774, 24.4291, 89.0976

Sweetspot

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



45.0216, 24.4305, 23.8156



73.2025, 64.8407, 75.3029



34.5445, 17.4911, 92.8220



15.0993, 12.9804, 15.1887



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.



45.0216, 24.4305, 23.8156



44.1024, 22.5821, 16.4571



42.3529, 24.7261, 5.5599



17.5344, 17.3411, 19.4040



22.2176, 11.3028, 7.8544



2.1086, 1.0672, 0.9954

Inverse Universe

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



45.0216, 24.4305, 23.8156



44.1024, 22.5821, 16.4571



48.2231, 66.6323, 101.5863



17.5344, 17.3411, 19.4040



22.2176, 11.3028, 7.8544



2.1086, 1.0672, 0.9954

Previews

White Background



This preview shows how the XYZ color 45.0210, 24.4291, 23.8152 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 45.0210, 24.4291, 23.8152 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 45.0210, 24.4291, 23.8152

Background



This preview shows how black text looks on a background with the XYZ color 45.0210, 24.4291, 23.8152.



This preview shows how white text looks on a background with the XYZ color 45.0210, 24.4291,

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

45.0210, 24.4291, 23.8152

Protanopia

24.9740, 24.5900, 46.0779

Deuteranopia

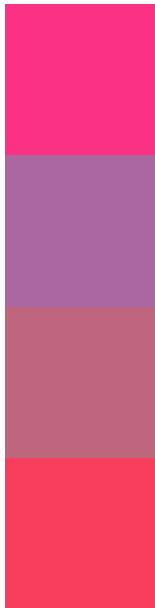
24.8939, 24.4831, 21.5028



Tritanopia

41.8840, 24.5329, 8.3221

Trichromacy



Original Color

45.0210, 24.4291, 23.8152

Protanomaly

27.9494, 20.8552, 36.7348

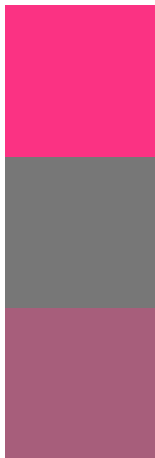
Deuteranomaly

29.4393, 21.8022, 22.0587

Tritanomaly

42.6674, 24.2499, 12.5571

Monochromacy



Original Color

45.0210, 24.4291, 23.8152

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

23.5142, 17.6510, 20.9065

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.0210, 24.4291, 23.8152 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(251, 50, 131)` looks like.

```
.text, #text, p{  
    color:rgb(251, 50, 131)  
}
```

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(251, 50, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 50, 131) }
```

Border

The CSS property to change the border of an element to XYZ 45.0210, 24.4291, 23.8152 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(251, 50, 131) }
```


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

```
.border{ border-color:rgb(251, 50, 131) }
```

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

Here you see how a box with a 4 pixel rgb(251, 50, 131) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 50, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 50, 131);  
box-shadow:4px 4px 4px 4px rgb(251, 50,  
131) }
```

Background

The CSS property to change the background color of an element to XYZ 45.0210, 24.4291, 23.8152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 50, 131) }
```

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

```
.background{ background-color: rgb(251, 50,  
131) }
```

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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