

Converting Colors

XYZ(45.2085, 23.2014, 25.3007)

Have a look what the booklet for
XYZ(45.2085, 23.2014, 25.3007)
contains.

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Color

**XYZ(45.2201, 23.1966,
25.3866)**

Conversions

Conversions Part 1

Format	Color
Hex	FD1588
RGB	253, 21, 136
RGB Percent	99%, 8%, 53%
CMY	0.0078, 0.9175, 0.4667
CMYK	0.00, 0.92, 0.46, 0.01
HSL	330°, 98%, 54%
HSV	330°, 92%, 99%
XYZ	45.2201, 23.1966, 25.3866
YIQ	103.4780, 101.3570, 84.9490

Conversions

Conversions Part 2

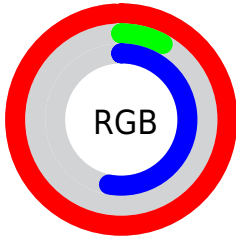
Format	Color
R_{YB}	253, 21, 136
Decimal	16586120
CIE Lab	55.27, 83.12, -0.21
CIE LCh	55, 83.116, 359.856
Yxy	23.1966, 0.4821, 0.2473
Android (android.graphics.Color)	4294776200 (0xFFFD1588)
YUV	103.4780, 16.0333, 131.1308
Hunter-Lab	48.1628, 83.3087, 2.4623

Details

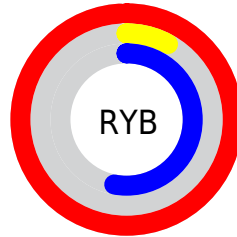
The XYZ color **45.2201, 23.1966, 25.3866** is a dark color, and the websafe version is hex **FF3399**. The color can be described as middle washed rose. A complement of this color would be **40.0256, 72.2463, 35.8951**, and the grayscale version is **12.9644, 13.6396, 14.8535**.

A 20% lighter version of the original color is **55.3756, 34.8348, 51.9493**, and **22.9555, 11.6353, 10.0528** is the 20% darker color. If you saturate the color by 10%, you get **44.2344, 22.3732, 21.5192**, and if you desaturate by 10%, it is **46.9040, 25.0256, 30.6924**.

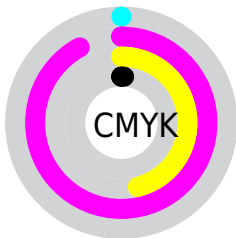
Distribution



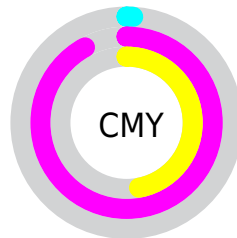
- Red (99%)
- Green (8%)
- Blue (53%)



- Red (99%)
- Yellow (8%)
- Blue (53%)



- Cyan (0%)
- Magenta (92%)
- Yellow (46%)
- Black (1%)





- Cyan (1%)
- Magenta (92%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.2201, 23.1966, 25.3866 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 45.2201, 23.1966, 25.3866 by changing the saturation by 10% instead.

 45.2201, 23.1966,
25.3866


 45.2201, 23.1966,
25.3866


358.4330,
268.7332, 293.2669


 31.8328, 14.7387,
16.1437

 82.2856, 48.7159,
53.2556


 21.3888, 8.6362,
9.4704


 106.6946, 66.5462,
72.7187


 13.5226, 4.5047,
4.9483


 135.5082, 88.2694,
96.4257

 7.8688, 1.9597,
2.1587

 169.0918,
114.2699, 124.7950

 4.0622, 0.5839,
0.6504

 207.8107,
144.9322, 158.2453

 1.7374, 0.0000,
0.0000

252.0303,

 0.4795, 0.0000,

180.6405, 197.1950

0.0000

302.1159,
221.7794, 242.0627

■ 0.0000, 0.0000,
0.0000

■ 45.2201, 23.1966,
25.3866

■ 45.2201, 23.1966,
25.3866

■ 44.2344, 22.3732,
21.5192

■ 46.9040, 25.0256,
30.6924

■ 49.2813, 28.0626,
36.7796

■ 52.4447, 32.4880,
43.6963

■ 56.4714, 38.4504,
51.4843

■ 61.4284, 46.0794,
60.1815

67.3762, 55.4905,
69.8230

74.3694, 66.7889,
80.4413

82.4590, 80.0716,
92.0674

91.6923, 95.4288,
104.7306

Harmonies

Analogous

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



41.4250, 23.1966, 60.7246



45.2201, 23.1966, 25.3866



41.4937, 23.1966, 7.3707

Triad

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



45.2201, 23.1966, 25.3866



14.2854, 23.1966, 1.7845



14.2269, 23.1966, 100.5502

Complementary

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



45.2201, 23.1966, 25.3866



40.0256, 72.2463, 35.8951

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.



9.8847, 23.1966, 60.3238



45.2201, 23.1966, 25.3866



9.9111, 23.1966, 7.2727

Square

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



45.2201, 23.1966, 25.3866



22.0928, 23.1966, 0.8519



8.5578, 23.1966, 25.1281



22.0026, 23.1966, 118.9832

Rectangle

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



45.2201, 23.1966, 25.3866



35.7140, 23.1966, 2.8455



8.5578, 23.1966, 25.1281



12.4060, 23.1966, 88.1785

Sweetspot

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



45.2207, 23.1980, 25.3870



71.0819, 60.4888, 74.9374



28.3183, 12.9497, 93.9352



14.5916, 11.9475, 15.0733



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.



45.2207, 23.1980, 25.3870



45.0304, 22.7762, 21.8901



40.9125, 21.4747, 2.7001



18.3847, 18.1372, 20.6432



23.6046, 11.9311, 11.8340



2.3534, 1.1837, 1.4422

Inverse Universe

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



45.2207, 23.1980, 25.3870



45.0304, 22.7762, 21.8901



53.1648, 77.5020, 105.0855



18.3847, 18.1372, 20.6432



23.6046, 11.9311, 11.8340



2.3534, 1.1837, 1.4422

Previews

White Background



This preview shows how the XYZ color 45.2201, 23.1966, 25.3866 looks on a white background.

Color Contrast Check

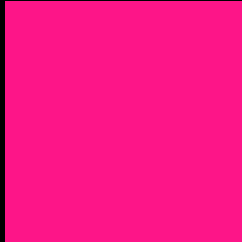
Large Text (above 18pt) WCAG AA ✓ Pass

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 45.2201, 23.1966, 25.3866 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 45.2201, 23.1966, 25.3866

Background



This preview shows how black text looks on a background with the XYZ color 45.2201, 23.1966, 25.3866.



This preview shows how white text looks on a background with the XYZ color 45.2201, 23.1966,

25.3866.

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

45.2201, 23.1966, 25.3866

Protanopia

24.5360, 23.5724, 54.2957

Deuteranopia

23.8153, 23.3086, 22.6458



Tritanopia

41.2448, 23.2736, 6.3214

Trichromacy



Original Color

45.2201, 23.1966, 25.3866



Protanomaly

26.3882, 18.2858, 41.6739



Deuteranomaly

28.0283, 19.2945, 23.0158



Tritanomaly

41.9679, 22.7236, 10.9782

Monochromacy



Original Color

45.2201, 23.1966, 25.3866



Achromatopsia

13.1579, 13.8432, 15.0752



Achromatomaly

19.7017, 13.4276, 18.0764

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.2201, 23.1966, 25.3866 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, 21, 136)` looks like.

```
.text, #text, p{  
    color:rgb(253, 21, 136)  
}
```

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, 21, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 21, 136) }
```

Border

The CSS property to change the border of an element to XYZ 45.2201, 23.1966, 25.3866 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, 21, 136) }
```


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

```
.border{ border-color:rgb(253, 21, 136) }
```

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

Here you see how a box with a 4 pixel rgb(253, 21, 136) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 21, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 21, 136);  
box-shadow:4px 4px 4px 4px rgb(253, 21,  
136) }
```

Background

The CSS property to change the background color of an element to XYZ 45.2201, 23.1966, 25.3866 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 21, 136) }
```

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

```
.background{ background-color: rgb(253, 21,  
136) }
```

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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