

Converting Colors

XYZ(45.8742, 21.5559, 24.6068)

Have a look what the booklet for
XYZ(45.8742, 21.5559, 24.6068)
contains.

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Color

**XYZ(45.6132, 23.0093,
24.9588)**

Conversions

Conversions Part 1

Format	Color
Hex	FF0087
RGB	255, 0, 135
RGB Percent	100%, 0%, 53%
CMY	0.0000, 0.9997, 0.4706
CMYK	0.00, 1.00, 0.47, 0.00
HSL	328°, 100%, 50%
HSV	328°, 100%, 100%
XYZ	45.6132, 23.0093, 24.9588
YIQ	91.6350, 108.6450, 96.0450

Conversions

Conversions Part 2

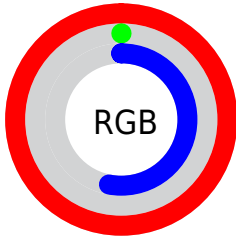
Format	Color
R_{YB}	255, 0, 135
Decimal	16711815
CIE _{Lab}	55.08, 85.07, 0.15
CIE _{LCh}	55, 85.073, 0.104
Yxy	23.0093, 0.4874, 0.2459
Android (android.graphics.Color)	4294901895 (0xFFFF0087)
YUV	91.6350, 21.3789, 143.2711
Hunter-Lab	47.9680, 85.7932, 2.7277

Details

The XYZ color **45.6132, 23.0093, 24.9588** 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 **39.1549, 72.8779, 29.7934**, and the grayscale version is **10.0324, 10.5549, 11.4943**.

A 20% lighter version of the original color is **54.8743, 34.0052, 51.2484**, and **23.1656, 11.7483, 9.8508** is the 20% darker color. If you saturate the color by 10%, you get **45.6109, 23.0084, 24.9474**, and if you desaturate by 10%, it is **46.8665, 24.0864, 29.7841**.

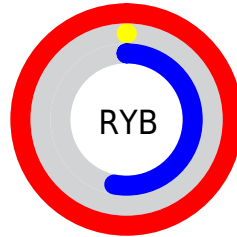
Distribution



Red (100%)

Green (0%)

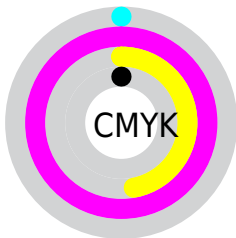
Blue (53%)



Red (100%)

Yellow (0%)

Blue (53%)

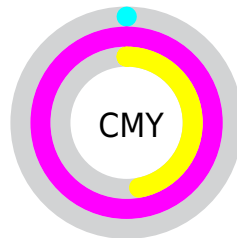


Cyan (0%)

Magenta (100%)

Yellow (47%)

Black (0%)



Cyan (0%)


Magenta (100%)


Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.6132, 23.0093, 24.9588 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 45.6132, 23.0093, 24.9588 by changing the saturation by 10% instead.


 45.6132, 23.0093,
24.9588

 45.6132, 23.0093,
24.9588


359.9935,
267.7728, 291.0738

 32.1440, 14.6004,
15.8276


 82.8712, 48.4086,
52.5537


 21.6276, 8.5394,
9.2492


 107.3908, 66.1678,
71.8544


 13.6986, 4.4420,
4.8051


 136.3246, 87.8125,
95.3822

 7.9916, 1.9238,
2.0766

 170.0378,
113.7271, 123.5554

 4.1414, 0.5626,
0.6018

 208.8960,
144.2960, 156.7926

 1.7824, 0.0000,
0.0000

253.2644,

 0.5070, 0.0000,

179.9037, 195.5124

0.0000

303.5085,
220.9345, 240.1333

■ 0.0000, 0.0000,
0.0000

■ 45.6132, 23.0093,
24.9588

■ 45.6132, 23.0093,
24.9588

■ 45.6109, 23.0084,
24.9474

■ 46.8665, 24.0864,
29.7841

■ 48.6852, 26.1368,
35.2827

■ 51.2151, 29.4478,
41.5175

■ 54.5463, 34.1951,
48.5320

■ 58.7547, 40.5261,
56.3646

■ 63.9067, 48.5699,
65.0501

■ 70.0622, 58.4420,
74.6206

■ 77.2757, 70.2479,
85.1060

■ 85.5979, 84.0850,
96.5346

Harmonies

Analogous

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



41.7693, 23.0093, 61.0925



45.6132, 23.0093, 24.9588



41.7185, 23.0093, 6.9386

Triad

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



45.6132, 23.0093, 24.9588



13.9459, 23.0093, 1.5971



13.9883, 23.0093, 102.9621

Complementary

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



45.6132, 23.0093, 24.9588



39.1549, 72.8779, 29.7934

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.



9.5922, 23.0093, 61.3897



45.6132, 23.0093, 24.9588



9.5732, 23.0093, 7.0084

Square

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



45.6132, 23.0093, 24.9588



21.8367, 23.0093, 0.6919



8.2426, 23.0093, 25.1479



21.9027, 23.0093, 121.8216

Rectangle

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



45.6132, 23.0093, 24.9588



35.7586, 23.0093, 2.5588



8.2426, 23.0093, 25.1479



12.1426, 23.0093, 90.1818

Sweetspot

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



45.6138, 23.0107, 24.9591



70.0450, 58.4141, 74.5947



25.6632, 11.1458, 95.4063



14.4103, 11.5634, 15.0794



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.



45.6138, 23.0107, 24.9591



45.6110, 23.0084, 24.9474



41.2875, 21.2802, 2.1773



18.4112, 18.1478, 20.7823



23.9089, 12.0528, 13.4366



2.3832, 1.1956, 1.5991

Inverse Universe

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



45.6138, 23.0107, 24.9591



45.6110, 23.0084, 24.9474



52.4725, 78.2050, 99.9228



18.4112, 18.1478, 20.7823



23.9089, 12.0528, 13.4366



2.3832, 1.1956, 1.5991

Previews

White Background



This preview shows how the XYZ color 45.6132, 23.0093, 24.9588 looks on a white background.

Color Contrast Check

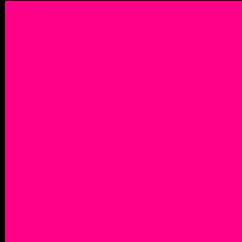
Large Text (above 18pt) WCAG AA ✓ Pass

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 45.6132, 23.0093, 24.9588 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 45.6132, 23.0093, 24.9588

Background



This preview shows how black text looks on a background with the XYZ color 45.6132, 23.0093, 24.9588.



This preview shows how white text looks on a background with the XYZ color 45.6132, 23.0093,

24.9588.

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

45.6132, 23.0093, 24.9588

Protanopia

24.6487, 23.6175, 54.8893

Deuteranopia

23.8828, 23.5453, 22.3547



Tritanopia

41.7687, 23.4139, 5.8079

Trichromacy



Original Color

45.6132, 23.0093, 24.9588



Protanomaly

25.9459, 17.0962, 41.4676



Deuteranomaly

27.6526, 18.2845, 22.4939



Tritanomaly

42.2782, 22.4640, 10.2913

Monochromacy



Original Color

45.6132, 23.0093, 24.9588



Achromatopsia

10.1725, 10.7023, 11.6548



Achromatomaly

17.0332, 10.7899, 15.3723

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.6132, 23.0093, 24.9588 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(255, 0, 135)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 135)  
}
```

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(255, 0, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 135) }
```

Border

The CSS property to change the border of an element to XYZ 45.6132, 23.0093, 24.9588 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(255, 0, 135) }
```


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

```
.border{ border-color:rgb(255, 0, 135) }
```

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

Here you see how a box with a 4 pixel rgb(255, 0, 135) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 135);  
box-shadow:4px 4px 4px 4px rgb(255, 0,  
135) }
```

Background

The CSS property to change the background color of an element to XYZ 45.6132, 23.0093, 24.9588 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 0, 135) }
```

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

```
.background{ background-color: rgb(255, 0,  
135) }
```

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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