

Converting Colors

XYZ(54.3433, 27.7028, 25.3792)

Have a look what the booklet for
XYZ(54.3433, 27.7028, 25.3792)
contains.

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Color

**XYZ(45.7446, 23.2722,
25.0026)**

Conversions

Conversions Part 1

Format	Color
Hex	FF0C87
RGB	255, 12, 135
RGB Percent	100%, 5%, 53%
CMY	0.0000, 0.9527, 0.4706
CMYK	0.00, 0.95, 0.47, 0.00
HSL	330°, 100%, 52%
HSV	330°, 95%, 100%
XYZ	45.7446, 23.2722, 25.0026
YIQ	98.6790, 105.3450, 89.7690

Conversions

Conversions Part 2

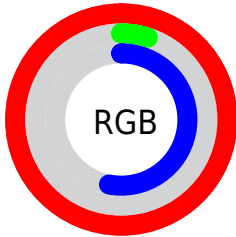
Format	Color
R_{YB}	255, 12, 135
Decimal	16714887
CIE _{Lab}	55.35, 84.29, 0.55
CIE _{LCh}	55, 84.287, 0.372
Yxy	23.2722, 0.4865, 0.2475
Android (android.graphics.Color)	4294904967 (0xFFFF0C87)
YUV	98.6790, 17.9063, 137.0935
Hunter-Lab	48.2413, 84.8397, 3.0399

Details

The XYZ color **45.7446, 23.2722, 25.0026** 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 **40.0812, 73.2659, 33.8800**, and the grayscale version is **11.7252, 12.3358, 13.4337**.

A 20% lighter version of the original color is **55.0685, 34.3936, 51.3131**, and **23.1656, 11.7483, 9.8508** is the 20% darker color. If you saturate the color by 10%, you get **45.2052, 22.8461, 22.8113**, and if you desaturate by 10%, it is **47.2323, 24.7435, 30.1361**.

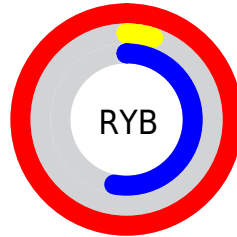
Distribution



Red (100%)

Green (5%)

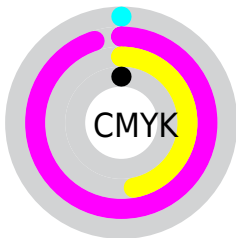
Blue (53%)



Red (100%)

Yellow (5%)

Blue (53%)

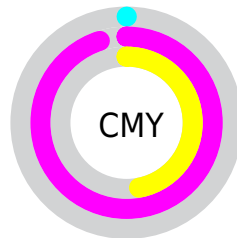


Cyan (0%)

Magenta (95%)

Yellow (47%)

Black (0%)



Cyan (0%)


Magenta (95%)


Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.7446, 23.2722, 25.0026 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 45.7446, 23.2722, 25.0026 by changing the saturation by 10% instead.


 45.7446, 23.2722,
25.0026


 45.7446, 23.2722,
25.0026


360.5141,
269.1200, 291.2990


 32.2481, 14.7946,
15.8600


 83.0668, 48.8399,
52.6256


 21.7075, 8.6754,
9.2718


 107.6233, 66.6988,
71.9431


 13.7576, 4.5301,
4.8197


 136.5971, 88.4536,
95.4892

 8.0328, 1.9743,
2.0850

 170.3537,
114.4887, 123.6825

 4.1679, 0.5925,
0.6068

 209.2583,
145.1885, 156.9417

 1.7976, 0.0000,
0.0000

253.6763,

 0.5162, 0.0000,

180.9374, 195.6851

0.0000

303.9731,
222.1198, 240.3313

■ 0.0000, 0.0000,
0.0000

■ 45.7446, 23.2722,
25.0026

■ 45.7446, 23.2722,
25.0026

■ 45.2052, 22.8461,
22.8113

■ 47.2323, 24.7435,
30.1361

■ 49.3825, 27.3662,
36.0250

■ 52.2979, 31.3404,
42.7201

■ 56.0612, 36.8268,
50.2645

■ 60.7441, 43.9636,
58.6971

66.4101, 52.8732,
68.0536

73.1167, 63.6662,
78.3669

80.9170, 76.4442,
89.6684

89.8601, 91.3015,
101.9873

Harmonies

Analogous

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



41.9931, 23.2722, 60.7939



45.7446, 23.2722, 25.0026



41.8122, 23.2722, 7.0744

Triad

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



45.7446, 23.2722, 25.0026



14.1396, 23.2722, 1.7322



14.2920, 23.2722, 102.9309

Complementary

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



45.7446, 23.2722, 25.0026



40.0812, 73.2659, 33.8800

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.



9.8467, 23.2722, 61.8503



45.7446, 23.2722, 25.0026



9.7780, 23.2722, 7.3277

Square

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



45.7446, 23.2722, 25.0026



22.0016, 23.2722, 0.7794



8.4623, 23.2722, 25.6794



22.2379, 23.2722, 121.2558

Rectangle

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



45.7446, 23.2722, 25.0026



35.8643, 23.2722, 2.6695



8.4623, 23.2722, 25.6794



12.4297, 23.2722, 90.3476

Sweetspot

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



45.7452, 23.2736, 25.0030



70.4909, 59.4148, 74.4074



27.3085, 12.1892, 95.5208



14.4842, 11.7473, 14.9923



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.



45.7452, 23.2736, 25.0030



45.2054, 22.8461, 22.8113



41.4664, 21.5620, 2.4708



18.3929, 18.1405, 20.6863



23.6963, 11.9678, 12.3173



2.3624, 1.1873, 1.4898

Inverse Universe

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



45.7452, 23.2736, 25.0030



45.2054, 22.8461, 22.8113



53.3171, 78.5602, 103.5795



18.3929, 18.1405, 20.6863



23.6963, 11.9678, 12.3173



2.3624, 1.1873, 1.4898

Previews

White Background



This preview shows how the XYZ color 45.7446, 23.2722, 25.0026 looks on a white background.

Color Contrast Check

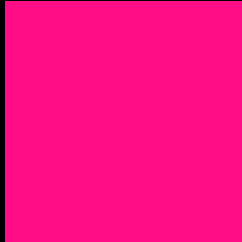
Large Text (above 18pt) WCAG AA ✓ Pass

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 45.7446, 23.2722, 25.0026 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 45.7446, 23.2722, 25.0026

Background



This preview shows how black text looks on a background with the XYZ color 45.7446, 23.2722, 25.0026.



This preview shows how white text looks on a background with the XYZ color 45.7446, 23.2722,

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

45.7446, 23.2722, 25.0026

Protanopia

24.6640, 23.6384, 54.3017

Deuteranopia

24.0660, 23.6398, 22.3633



Tritanopia

41.7924, 23.4234, 5.9329

Trichromacy



Original Color

45.7446, 23.2722, 25.0026



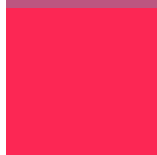
Protanomaly

26.5496, 17.9959, 41.6094



Deuteranomaly

27.9631, 18.9055, 22.5974



Tritanomaly

42.4706, 22.7866, 10.5473

Monochromacy



Original Color

45.7446, 23.2722, 25.0026



Achromatopsia

11.8596, 12.4772, 13.5877



Achromatomaly

18.6421, 12.2521, 16.7116

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.7446, 23.2722, 25.0026 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, 12, 135)` looks like.

```
.text, #text, p{  
    color:rgb(255, 12, 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, 12, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 12, 135) }
```

Border

The CSS property to change the border of an element to XYZ 45.7446, 23.2722, 25.0026 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, 12, 135) }
```


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

```
.border{ border-color:rgb(255, 12, 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, 12, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 12, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 12, 135);  
box-shadow:4px 4px 4px 4px rgb(255, 12,  
135) }
```

Background

The CSS property to change the background color of an element to XYZ 45.7446, 23.2722, 25.0026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 12, 135) }
```

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

```
.background{ background-color: rgb(255, 12,  
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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