

Converting Colors

XYZ(45.7037, 23.2831, 24.7047)

Have a look what the booklet for
XYZ(45.7037, 23.2831, 24.7047)
contains.

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Color

**XYZ(45.6870, 23.2691,
24.6377)**

Conversions

Conversions Part 1

Format	Color
Hex	FF0D86
RGB	255, 13, 134
RGB Percent	100%, 5%, 53%
CMY	0.0000, 0.9488, 0.4745
CMYK	0.00, 0.95, 0.47, 0.00
HSL	330°, 100%, 53%
HSV	330°, 95%, 100%
XYZ	45.6870, 23.2691, 24.6377
YIQ	99.1520, 105.3910, 88.9350

Conversions

Conversions Part 2

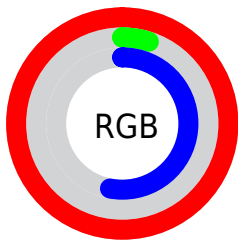
Format	Color
RYB	255, 13, 134
Decimal	16715142
CIELab	55.35, 84.13, 1.14
CIElCh	55, 84.142, 0.777
Yxy	23.2691, 0.4881, 0.2486
Android (android.graphics.Color)	4294905222 (0xFFFF0D86)
YUV	99.1520, 17.1801, 136.6787
Hunter-Lab	48.2381, 84.6435, 3.4841

Details

The XYZ color **45.6870, 23.2691, 24.6377** 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 **40.2337, 73.3286, 34.6081**, and the grayscale version is **11.8453, 12.4622, 13.5714**.

A 20% lighter version of the original color is **54.9610, 34.3506, 50.7473**, and **23.1256, 11.7322, 9.6400** is the 20% darker color. If you saturate the color by 10%, you get **45.1014, 22.8045, 22.2644**, and if you desaturate by 10%, it is **47.1980, 24.7809, 29.7980**.

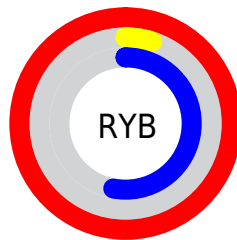
Distribution



Red (100%)

Green (5%)

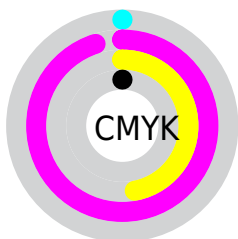
Blue (53%)



Red (100%)

Yellow (5%)

Blue (53%)

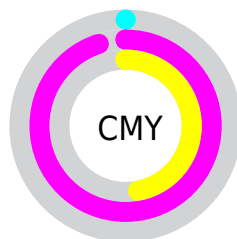


Cyan (0%)

Magenta (95%)

Yellow (47%)

Black (0%)



Cyan (0%)


Magenta (95%)


Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.6870, 23.2691, 24.6377 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 45.6870, 23.2691, 24.6377 by changing the saturation by 10% instead.

 45.6870, 23.2691,
24.6377


 45.6870, 23.2691,
24.6377

360.2859,
269.1041, 289.4185

 32.2025, 14.7923,
15.5908


 82.9811, 48.8348,
52.0257


 21.6725, 8.6738,
9.0838


 107.5214, 66.6925,
71.2038


 13.7317, 4.5290,
4.6983


 136.4777, 88.4461,
94.5961

 8.0148, 1.9737,
2.0158

 170.2152,
114.4798, 122.6210

 4.1563, 0.5921,
0.5649

 209.0995,
145.1780, 155.6972

 1.7909, 0.0000,
0.0000

253.4958,

 0.5122, 0.0000,

180.9252, 194.2431

0.0000

303.7695,
222.1058, 238.6774

■ 0.0000, 0.0000,
0.0000

■ 45.6870, 23.2691,
24.6377

■ 45.6870, 23.2691,
24.6377

■ 45.1014, 22.8045,
22.2644

■ 47.1980, 24.7809,
29.7980

■ 49.3785, 27.4540,
35.7283

■ 52.3301, 31.4862,
42.4797

■ 56.1353, 37.0376,
50.0960

■ 60.8655, 44.2456,
58.6164

66.5839, 53.2320,
68.0771

73.3481, 64.1071,
78.5117

81.2111, 76.9723,
89.9518

90.2220, 91.9216,
102.4274

Harmonies

Analogous

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



42.0435, 23.2691, 60.1377



45.6870, 23.2691, 24.6377



41.6669, 23.2691, 6.9579

Triad

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



45.6870, 23.2691, 24.6377



14.0674, 23.2691, 1.7761



14.3850, 23.2691, 103.1836

Complementary

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



45.6870, 23.2691, 24.6377



40.2337, 73.3286, 34.6081

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.



9.8989, 23.2691, 62.3365



45.6870, 23.2691, 24.6377



9.7555, 23.2691, 7.4866

Square

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



45.6870, 23.2691, 24.6377



21.8714, 23.2691, 0.7896



8.4779, 23.2691, 26.0476



22.3636, 23.2691, 120.9817

Rectangle

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



45.6870, 23.2691, 24.6377



35.6963, 23.2691, 2.6323



8.4779, 23.2691, 26.0476



12.5089, 23.2691, 90.7236

Sweetspot

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



45.6876, 23.2705, 24.6381



71.1222, 60.5049, 75.1495



28.0306, 12.5799, 95.5582



14.6012, 11.9513, 15.1239



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.



45.6876, 23.2705, 24.6381



45.1015, 22.8046, 22.2645



41.4575, 21.5784, 2.3627



18.3881, 18.1385, 20.6608



23.6419, 11.9460, 12.0305



2.3570, 1.1852, 1.4616

Inverse Universe

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



45.6876, 23.2705, 24.6381



45.1015, 22.8046, 22.2645



53.9766, 78.8257, 106.9775



18.3881, 18.1385, 20.6608



23.6419, 11.9460, 12.0305



2.3570, 1.1852, 1.4616

Previews

White Background



This preview shows how the XYZ color 45.6870, 23.2691, 24.6377 looks on a white background.

Color Contrast Check

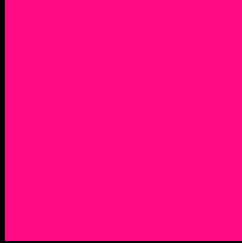
Large Text (above 18pt) WCAG AA ✓ Pass

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 45.6870, 23.2691, 24.6377 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 45.6870, 23.2691, 24.6377

Background



This preview shows how black text looks on a background with the XYZ color 45.6870, 23.2691, 24.6377.



This preview shows how white text looks on a background with the XYZ color 45.6870, 23.2691,

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

45.6870, 23.2691, 24.6377

Protanopia

24.6814, 23.6603, 53.7181

Deuteranopia

24.0031, 23.6146, 22.0319



Tritanopia

41.7924, 23.4234, 5.9329

Trichromacy



Original Color

45.6870, 23.2691, 24.6377



Protanomaly

26.4532, 17.9573, 41.1016



Deuteranomaly

27.9780, 19.0401, 22.2792



Tritanomaly

42.4706, 22.7866, 10.5473

Monochromacy



Original Color

45.6870, 23.2691, 24.6377



Achromatopsia

11.8596, 12.4772, 13.5877



Achromatomaly

18.7021, 12.3720, 16.7316

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.6870, 23.2691, 24.6377 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, 13, 134)` looks like.

```
.text, #text, p{  
    color:rgb(255, 13, 134)  
}
```

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, 13, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 13, 134) }
```

Border

The CSS property to change the border of an element to XYZ 45.6870, 23.2691, 24.6377 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, 13, 134) }
```


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

```
.border{ border-color:rgb(255, 13, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 13, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 13, 134); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 13, 134); box-shadow:4px 4px 4px 4px rgb(255, 13, 134) }
```

Background

The CSS property to change the background color of an element to XYZ 45.6870, 23.2691, 24.6377 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 13, 134) }
```

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

```
.background{ background-color: rgb(255, 13,  
134) }
```

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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