

Converting Colors

XYZ(46.0455, 23.8096, 25.3014)

Have a look what the booklet for
XYZ(46.0455, 23.8096, 25.3014)
contains.

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Color

**XYZ(46.0759, 23.8214,
25.4621)**

Conversions

Conversions Part 1

Format	Color
Hex	FF1B88
RGB	255, 27, 136
RGB Percent	100%, 11%, 53%
CMY	0.0000, 0.8940, 0.4667
CMYK	0.00, 0.89, 0.47, 0.00
HSL	331°, 100%, 55%
HSV	331°, 89%, 100%
XYZ	46.0759, 23.8214, 25.4621
YIQ	107.5980, 100.8990, 82.2350

Conversions

Conversions Part 2

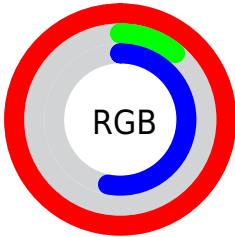
Format	Color
R_{YB}	255, 27, 136
Decimal	16718728
CIE _{Lab}	55.91, 82.83, 0.76
CIE _{LCh}	56, 82.832, 0.527
Yxy	23.8214, 0.4832, 0.2498
Android (android.graphics.Color)	4294908808 (0xFFFF1B88)
YUV	107.5980, 14.0022, 129.2716
Hunter-Lab	48.8072, 83.0985, 3.2342

Details

The XYZ color **46.0759, 23.8214, 25.4621** 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 **41.4033, 73.8296, 39.2744**, and the grayscale version is **14.0882, 14.8218, 16.1410**.

A 20% lighter version of the original color is **55.5793, 35.2422, 52.0172**, and **23.4585, 11.8946, 10.0763** is the 20% darker color. If you saturate the color by 10%, you get **44.8123, 22.7155, 20.6598**, and if you desaturate by 10%, it is **47.9414, 25.9434, 31.0450**.

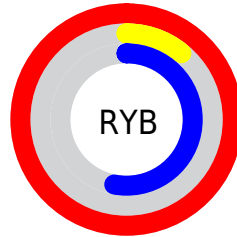
Distribution



Red (100%)

Green (11%)

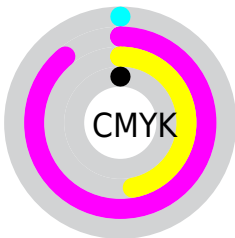
Blue (53%)



Red (100%)

Yellow (11%)

Blue (53%)

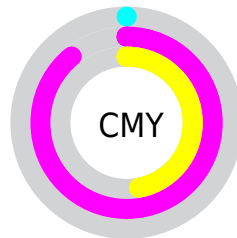


Cyan (0%)

Magenta (89%)

Yellow (47%)

Black (0%)



Cyan (0%)


Magenta (89%)


Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.0759, 23.8214, 25.4621 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 46.0759, 23.8214, 25.4621 by changing the saturation by 10% instead.


 46.0759, 23.8214,
25.4621


 46.0759, 23.8214,
25.4621

361.8245,
271.9163, 293.6525


 32.5106, 15.2012,
16.1995


 83.5597, 49.7386,
53.3793


 21.9092, 8.9607,
9.5096


 108.2090, 67.8044,
72.8710


 13.9064, 4.7156,
4.9737


 137.2836, 89.7874,
96.6094

 8.1369, 2.0814,
2.1734

 171.1489,
116.0722, 125.0132

 4.2352, 0.6541,
0.6589

 210.1703,
147.0431, 158.5009

 1.8360, 0.0000,
0.0000

254.7132,

 0.5392, 0.0000,

183.0845, 197.4910

0.0000

305.1428,
224.5807, 242.4020

■ 0.0000, 0.0000,
0.0000

■ 46.0759, 23.8214,
25.4621

■ 46.0759, 23.8214,
25.4621

■ 44.8123, 22.7155,
20.6598

■ 47.9414, 25.9434,
31.0450

■ 44.7461, 22.6624,
20.3929

■ 50.5435, 29.3438,
37.4731

■ 53.9729, 34.1981,
44.7958

■ 58.3060, 40.6531,
53.0569

■ 63.6097, 48.8370,
62.2961

69.9445, 58.8654,
72.5505

77.3658, 70.8435,
83.8547

85.9245, 84.8686,
96.2414

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



42.4067, 23.8214, 60.8449



46.0759, 23.8214, 25.4621



42.1534, 23.8214, 7.4785

Triad

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



46.0759, 23.8214, 25.4621



14.6161, 23.8214, 1.9841



14.8332, 23.8214, 102.6257

Complementary

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



46.0759, 23.8214, 25.4621



41.4033, 73.8296, 39.2744

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.



10.3285, 23.8214, 62.3192



46.0759, 23.8214, 25.4621



10.2299, 23.8214, 7.8459

Square

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



46.0759, 23.8214, 25.4621



22.4749, 23.8214, 0.9484



8.9085, 23.8214, 26.4187



22.8089, 23.8214, 120.3864

Rectangle

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



46.0759, 23.8214, 25.4621



36.2527, 23.8214, 2.9457



8.9085, 23.8214, 26.4187



12.9513, 23.8214, 90.3218

Sweetspot

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



46.0765, 23.8228, 25.4625



71.6247, 61.5587, 75.1666



30.0870, 14.0081, 95.7257



14.8231, 12.3633, 15.2961



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.



46.0765, 23.8228, 25.4625



44.7461, 22.6624, 20.3929



41.9237, 22.3103, 3.1354



18.3710, 18.1317, 20.5707



23.4552, 11.8714, 11.0476



2.3386, 1.1778, 1.3643

Inverse Universe

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



46.0765, 23.8228, 25.4625



44.7461, 22.6624, 20.3929



53.0626, 76.5730, 106.5910



18.3710, 18.1317, 20.5707



23.4552, 11.8714, 11.0476



2.3386, 1.1778, 1.3643

Previews

White Background



This preview shows how the XYZ color 46.0759, 23.8214, 25.4621 looks on a white background.

Color Contrast Check

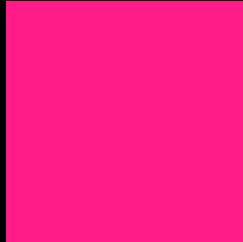
Large Text (above 18pt) WCAG AA ✓ Pass

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 46.0759, 23.8214, 25.4621 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 46.0759, 23.8214, 25.4621

Background



This preview shows how black text looks on a background with the XYZ color 46.0759, 23.8214, 25.4621.



This preview shows how white text looks on a background with the XYZ color 46.0759, 23.8214,

25.4621.

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

46.0759, 23.8214, 25.4621

Protanopia

25.0834, 24.2702, 53.8146

Deuteranopia

24.4468, 24.0252, 22.7509



Tritanopia

42.1123, 23.8616, 6.6611

Trichromacy



Original Color

46.0759, 23.8214, 25.4621



Protanomaly

27.1750, 19.0910, 41.2824



Deuteranomaly

28.8631, 20.2325, 23.1529



Tritanomaly

42.9229, 23.4331, 11.4933

Monochromacy



Original Color

46.0759, 23.8214, 25.4621



Achromatopsia

14.2537, 14.9960, 16.3306



Achromatomaly

20.7639, 14.4770, 18.8395

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.0759, 23.8214, 25.4621 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, 27, 136)` looks like.

```
.text, #text, p{  
  color:rgb(255, 27, 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(255, 27, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 27, 136) }
```

Border

The CSS property to change the border of an element to XYZ 46.0759, 23.8214, 25.4621 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, 27, 136) }
```


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

```
.border{ border-color:rgb(255, 27, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 27, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 27, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 27, 136);  
box-shadow:4px 4px 4px 4px rgb(255, 27,  
136) }
```

Background

The CSS property to change the background color of an element to XYZ 46.0759, 23.8214, 25.4621 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 27, 136) }
```

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

```
.background{ background-color: rgb(255, 27,  
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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