

# Converting Colors

XYZ(47.1925, 25.5048, 26.1429)

Have a look what the booklet for  
XYZ(47.1925, 25.5048, 26.1429)  
contains.

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# Color

**XYZ(46.8960, 25.3473,  
26.0877)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FF3289
RGB	255, 50, 137
RGB Percent	100%, 20%, 54%
CMY	0.0000, 0.8039, 0.4627
CMYK	0.00, 0.80, 0.46, 0.00
HSL	335°, 100%, 60%
HSV	335°, 80%, 100%
XYZ	46.8960, 25.3473, 26.0877
YIQ	121.2130, 94.2530, 70.5170

# Conversions

## Conversions Part 2

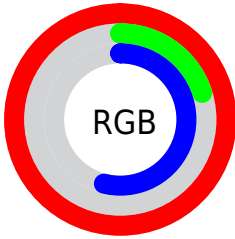
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 50, 137
Decimal	16724617
CIE <sub>Lab</sub>	57.41, 78.66, 2.35
CIE <sub>LCh</sub>	57, 78.699, 1.714
Yxy	25.3473, 0.4769, 0.2578
Android (android.graphics.Color)	4294914697 (0xFFFF3289)
YUV	121.2130, 7.7830, 117.3312
Hunter-Lab	50.3461, 78.1621, 4.5201

# Details

The XYZ color **46.8960, 25.3473, 26.0877** 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 **44.1456, 75.0263, 49.2085**, and the grayscale version is **18.1995, 19.1473, 20.8514**.

A 20% lighter version of the original color is **57.0127, 37.9346, 53.0324**, and **23.4997, 11.9110, 10.2930** is the 20% darker color. If you saturate the color by 10%, you get **45.1102, 23.3479, 20.6459**, and if you desaturate by 10%, it is **49.4325, 28.6190, 32.4870**.

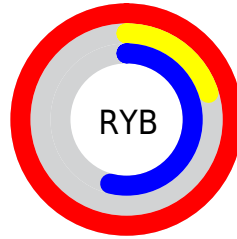
# Distribution



Red (100%)

Green (20%)

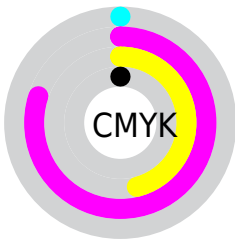
Blue (54%)



Red (100%)

Yellow (20%)

Blue (54%)

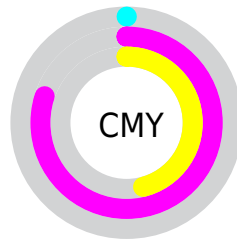


Cyan (0%)

Magenta (80%)

Yellow (46%)

Black (0%)



Cyan (0%)

Magenta (80%)


Yellow (46%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 46.8960, 25.3473, 26.0877 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 46.8960, 25.3473, 26.0877 by changing the saturation by 10% instead.





 46.8960, 25.3473,  
26.0877


 46.8960, 25.3473,  
26.0877


365.0551,  
279.5631, 296.8315

 33.1610, 16.3360,  
16.6629


 84.7780, 52.2201,  
54.4022


 22.4097, 9.7622,  
9.8350


 109.6559, 70.8504,  
74.1290


 14.2765, 5.2416,  
5.1855


 138.9787, 93.4557,  
98.1269

 8.3962, 2.3897,  
2.2959

 173.1118,  
120.4206, 126.8144

 4.4034, 0.8206,  
0.7289

 212.4207,  
152.1294, 160.6101

 1.9328, 0.0000,  
0.0000

257.2706,

 0.5958, 0.0000,

188.9665, 199.9325

0.0000

308.0270,  
231.3163, 245.2001

■ 0.0000, 0.0000,  
0.0000

■ 46.8960, 25.3473,  
26.0877

■ 46.8960, 25.3473,  
26.0877

■ 45.1102, 23.3479,  
20.6459

■ 49.4325, 28.6190,  
32.4870

■ 43.9579, 22.3471,  
16.2421

■ 52.8112, 33.3369,  
39.9004

■ 57.1114, 39.6519,  
48.3799

■ 62.4025, 47.6945,  
57.9728

■ 68.7466, 57.5816,  
68.7229

76.2007, 69.4200,  
80.6713

84.8174, 83.3081,  
93.8568

94.6460, 99.3376,  
108.3163

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.



43.6407, 25.3473, 59.8879



46.8960, 25.3473, 26.0877



42.8467, 25.3473, 8.4184

# Triad

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



46.8960, 25.3473, 26.0877



15.8241, 25.3473, 2.8851



16.5382, 25.3473, 102.2830

# Complementary

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



46.8960, 25.3473, 26.0877



44.1456, 75.0263, 49.2085

# 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.



11.8075, 25.3473, 64.4698



46.8960, 25.3473, 26.0877



11.4764, 25.3473, 9.6855

# Square

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



46.8960, 25.3473, 26.0877



23.5582, 25.3473, 1.4967



10.2209, 25.3473, 29.1674



24.6335, 25.3473, 117.6615



# Rectangle

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



46.8960, 25.3473, 26.0877



37.0336, 25.3473, 3.7034



10.2209, 25.3473, 29.1674



14.5825, 25.3473, 90.9363

# Sweetspot

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



46.8967, 25.3488, 26.0881



73.3751, 64.9097, 76.2121



34.9536, 17.6284, 96.1681



15.1404, 12.9968, 15.4051



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.



46.8967, 25.3488, 26.0881



44.3925, 22.6981, 17.9849



43.6316, 25.1215, 5.5688



18.3292, 18.1150, 20.3509



23.0399, 11.7052, 8.8603



2.2966, 1.1610, 1.1431



# Inverse Universe

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



46.8967, 25.3488, 26.0881



44.3925, 22.6981, 17.9849



50.9206, 71.0073, 105.6297



18.3292, 18.1150, 20.3509



23.0399, 11.7052, 8.8603



2.2966, 1.1610, 1.1431



# Previews

## White Background



This preview shows how the XYZ color 46.8960, 25.3473, 26.0877 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

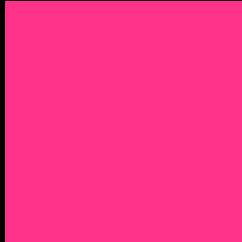
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 46.8960, 25.3473, 26.0877 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

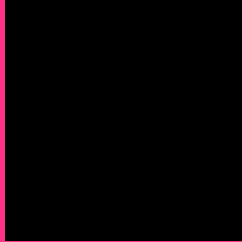
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 46.8960, 25.3473, 26.0877**

## **Background**



This preview shows how black text looks on a background with the XYZ color 46.8960, 25.3473, 26.0877.



This preview shows how white text looks on a background with the XYZ color 46.8960, 25.3473,



# 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

46.8960, 25.3473, 26.0877

### Protanopia

26.0860, 25.4813, 50.5572

### Deuteranopia

25.9286, 25.3753, 23.6100



## Tritanopia

43.0815, 25.2334, 8.7308

# Trichromacy



## Original Color

46.8960, 25.3473, 26.0877



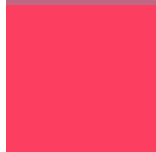
## Protanomaly

29.2263, 21.7384, 40.1917



## Deuteranomaly

30.6852, 22.5457, 24.2072



## Tritanomaly

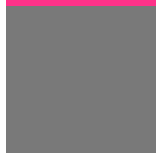
43.9788, 24.9852, 13.5710

# Monochromacy



## Original Color

46.8960, 25.3473, 26.0877



## Achromatopsia

18.1737, 19.1202, 20.8219



## Achromatomaly

24.5005, 18.2628, 22.3124

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 46.8960, 25.3473, 26.0877 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, 50, 137)` looks like.

```
.text, #text, p{  
    color:rgb(255, 50, 137)  
}
```

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, 50, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 50, 137) }
```

## Border

The CSS property to change the border of an element to XYZ 46.8960, 25.3473, 26.0877 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, 50, 137) }
```



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

```
.border{ border-color:rgb(255, 50, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 50, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 50, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 50, 137);  
box-shadow:4px 4px 4px 4px rgb(255, 50,  
137) }
```

# Background

The CSS property to change the background color of an element to XYZ 46.8960, 25.3473, 26.0877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 50, 137) }
```

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

```
.background{ background-color: rgb(255, 50,  
137) }
```

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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