

# Converting Colors

XYZ(46.4966, 25.2572, 23.7701)

Have a look what the booklet for  
XYZ(46.4966, 25.2572, 23.7701)  
contains.

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# Color

**XYZ(46.5206, 25.2663,  
23.8977)**

# Conversions

## Conversions Part 1

| Format      | Color                      |
|-------------|----------------------------|
| Hex         | FF3383                     |
| RGB         | 255, 51, 131               |
| RGB Percent | 100%, 20%, 51%             |
| CMY         | 0.0000, 0.7999, 0.4863     |
| CMYK        | 0.00, 0.80, 0.49, 0.00     |
| HSL         | 336°, 100%, 60%            |
| HSV         | 336°, 80%, 100%            |
| XYZ         | 46.5206, 25.2663, 23.8977  |
| YIQ         | 121.1160, 95.9040, 68.1280 |

# Conversions

## Conversions Part 2

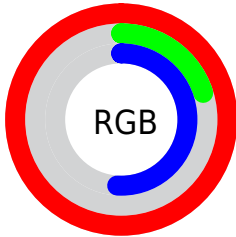
| <b>Format</b>                       | <b>Color</b>                  |
|-------------------------------------|-------------------------------|
| <b>R<sub>YB</sub></b>               | 255, 51, 131                  |
| Decimal                             | 16724867                      |
| CIE <sub>Lab</sub>                  | 57.33, 77.94, 5.80            |
| CIE <sub>LCh</sub>                  | 57, 78.159, 4.253             |
| Yxy                                 | 25.2663, 0.4862,<br>0.2641    |
| Android<br>(android.graphics.Color) | 4294914947<br>(0xFFFF3383)    |
| YUV                                 | 121.1160, 4.8728,<br>117.4163 |
| Hunter-Lab                          | 50.2656, 77.2362,<br>6.9978   |

# Details

The XYZ color **46.5206, 25.2663, 23.8977** 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 **44.8654, 75.3199, 52.7391**, and the grayscale version is **18.1768, 19.1234, 20.8254**.

A 20% lighter version of the original color is **56.3702, 37.6776, 49.6489**, and **23.2612, 11.8157, 9.0373** is the 20% darker color. If you saturate the color by 10%, you get **44.7221, 23.2269, 18.4968**, and if you desaturate by 10%, it is **49.0875, 28.5913, 30.3306**.

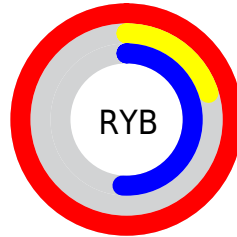
# Distribution



Red (100%)

Green (20%)

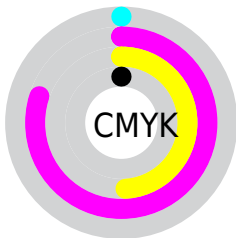
Blue (51%)



Red (100%)

Yellow (20%)

Blue (51%)

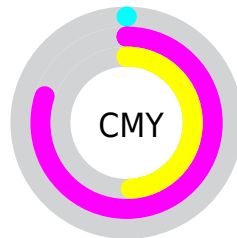


Cyan (0%)

Magenta (80%)

Yellow (49%)

Black (0%)



Cyan (0%)

Magenta (80%)


Yellow (49%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 46.5206, 25.2663, 23.8977 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 46.5206, 25.2663, 23.8977 by changing the saturation by 10% instead.




 46.5206, 25.2663,  
23.8977


 46.5206, 25.2663,  
23.8977


363.5786,  
279.1615, 285.5728


 32.8632, 16.2756,  
15.0463


 84.2207, 52.0889,  
50.8049


 22.1804, 9.7194,  
8.7049


 108.9941, 70.6896,  
69.6978


 14.1069, 5.2133,  
4.4550


 138.2035, 93.2624,  
92.7749

 8.2772, 2.3729,  
1.8781

 172.2143,  
120.1916, 120.4548

 4.3261, 0.8119,  
0.4788

 211.3919,  
151.8618, 153.1560

 1.8882, 0.0000,  
0.0000

256.1016,

 0.5700, 0.0000,

188.6572, 191.2970

0.0000

306.7087,  
230.9623, 235.2964

■ 0.0000, 0.0000,  
0.0000

■ 46.5206, 25.2663,  
23.8977

■ 46.5206, 25.2663,  
23.8977

■ 44.7221, 23.2269,  
18.4968

■ 49.0875, 28.5913,  
30.3306

■ 43.5403, 22.1804,  
14.0425

■ 52.5148, 33.3747,  
37.8578

■ 43.5396, 22.1799,  
14.0399

■ 56.8823, 39.7669,  
46.5366

■ 62.2601, 47.8983,  
56.4189

■ 68.7109, 57.8856,  
67.5532

76.2923, 69.8357,  
79.9849

85.0576, 83.8468,  
93.7569

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.



43.8994, 25.2663, 56.1565



46.5206, 25.2663, 23.8977



41.9536, 25.2663, 7.6274

# Triad

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



46.5206, 25.2663, 23.8977



15.3188, 25.2663, 3.2179



17.0779, 25.2663, 103.7996

# Complementary

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



46.5206, 25.2663, 23.8977



44.8654, 75.3199, 52.7391

# 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.



12.0948, 25.2663, 67.3765



46.5206, 25.2663, 23.8977



11.2776, 25.2663, 10.7671

# Square

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



46.5206, 25.2663, 23.8977



22.7177, 25.2663, 1.5521



10.2703, 25.2663, 31.4707



25.3604, 25.2663, 116.1978



# Rectangle

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



46.5206, 25.2663, 23.8977



35.9977, 25.2663, 3.4037



10.2703, 25.2663, 31.4707



15.0387, 25.2663, 93.1659

# Sweetspot

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



46.5213, 25.2678, 23.8981



73.1157, 64.8059, 74.8458



36.5581, 18.5197, 96.2555



15.0787, 12.9721, 15.0800



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.



46.5213, 25.2678, 23.8981



43.9621, 22.5260, 15.7180



44.1176, 26.0585, 5.8384



18.3043, 18.1050, 20.2195



22.8185, 11.6167, 7.6946



2.2736, 1.1518, 1.0220



# Inverse Universe

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



46.5213, 25.2678, 23.8981



43.9621, 22.5260, 15.7180



49.0104, 67.1130, 104.9786



18.3043, 18.1050, 20.2195



22.8185, 11.6167, 7.6946



2.2736, 1.1518, 1.0220



# Previews

## White Background



This preview shows how the XYZ color 46.5206, 25.2663, 23.8977 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

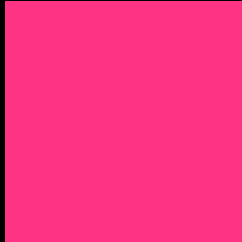
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 46.5206, 25.2663, 23.8977 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 46.5206, 25.2663, 23.8977**

## **Background**



This preview shows how black text looks on a background with the XYZ color 46.5206, 25.2663, 23.8977.



This preview shows how white text looks on a background with the XYZ color 46.5206, 25.2663,



# 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

46.5206, 25.2663, 23.8977

### Protanopia

25.6932, 25.3750, 46.1915

### Deuteranopia

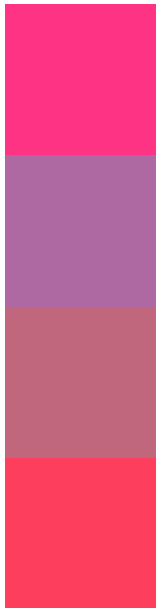
25.7433, 25.3236, 21.6203



## Tritanopia

43.3493, 25.2846, 8.5569

# Trichromacy



## Original Color

46.5206, 25.2663, 23.8977

## Protanomaly

29.0287, 21.7105, 36.8430

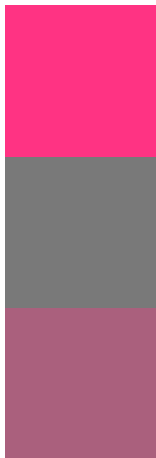
## Deuteranomaly

30.5442, 22.5186, 22.1387

## Tritanomaly

44.2064, 25.1182, 12.8743

# Monochromacy



## Original Color

46.5206, 25.2663, 23.8977

## Achromatopsia

18.1737, 19.1202, 20.8219

## Achromatomaly

24.4621, 18.3925, 21.6628

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 46.5206, 25.2663, 23.8977 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, 51, 131)` looks like.

```
.text, #text, p{  
    color:rgb(255, 51, 131)  
}
```

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, 51, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 51, 131) }
```

## Border

The CSS property to change the border of an element to XYZ 46.5206, 25.2663, 23.8977 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, 51, 131) }
```



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

```
.border{ border-color:rgb(255, 51, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 51, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 51, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 51, 131);  
box-shadow:4px 4px 4px 4px rgb(255, 51,  
131) }
```

# Background

The CSS property to change the background color of an element to XYZ 46.5206, 25.2663, 23.8977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 51, 131) }
```

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

```
.background{ background-color: rgb(255, 51,  
131) }
```

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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