

# Converting Colors

XYZ(50.6775, 25.0353, 51.6264)

Have a look what the booklet for  
XYZ(50.6775, 25.0353, 51.6264)  
contains.

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# Color

**XYZ(50.6440, 25.0216,  
51.4506)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FF00BF
RGB	255, 0, 191
RGB Percent	100%, 0%, 75%
CMY	0.0000, 0.9998, 0.2510
CMYK	0.00, 1.00, 0.25, 0.00
HSL	315°, 100%, 50%
HSV	315°, 100%, 100%
XYZ	50.6440, 25.0216, 51.4506
YIQ	98.0190, 90.6690, 113.4610

# Conversions

## Conversions Part 2

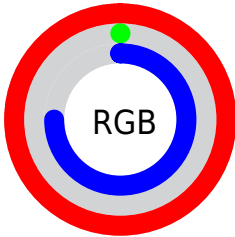
<b>Format</b>	<b>Color</b>
<b>RYB</b>	255, 0, 191
Decimal	16711871
CIELab	57.10, 90.28, -29.75
CIElCh	57, 95.057, 341.762
Yxy	25.0216, 0.3984, 0.1968
Android (android.graphics.Color)	4294901951 (0xFFFF00BF)
YUV	98.0190, 45.8396, 137.6723
Hunter-Lab	50.0216, 93.1832, -25.9687

# Details

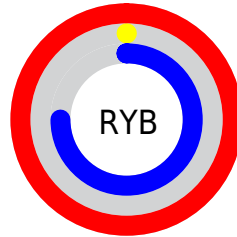
The XYZ color **50.6440, 25.0216, 51.4506** is a dark color, and the websafe version is hex **FF33CC**. The color can be described as middle saturated rose. A complement of this color would be **36.6878, 71.8912, 16.8018**, and the grayscale version is **11.4962, 12.0949, 13.1713**.

A 20% lighter version of the original color is **62.9346, 37.5401, 92.7359**, and **26.5077, 13.1436, 24.8068** is the 20% darker color. If you saturate the color by 10%, you get **50.6424, 25.0210, 51.4424**, and if you desaturate by 10%, it is **51.7238, 26.0290, 55.3629**.

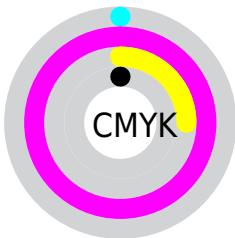
# Distribution



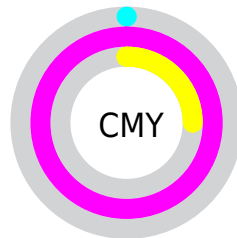
- Red (100%)
- Green (0%)
- Blue (75%)



- Red (100%)
- Yellow (0%)
- Blue (75%)



- Cyan (0%)
- Magenta (100%)
- Yellow (25%)
- Black (0%)




- Cyan (0%)
- Magenta (100%)
- Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 50.6440, 25.0216, 51.4506 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 50.6440, 25.0216, 51.4506 by changing the saturation by 10% instead.




 50.6440, 25.0216,  
51.4506


 50.6440, 25.0216,  
51.4506

379.5896,  
277.9455, 409.2084


 36.1453, 16.0931,  
36.1881


 90.3145, 51.6923,  
93.7388


 24.7170, 9.5901,  
24.2887


 116.2169, 70.2033,  
121.6016


 15.9940, 5.1280,  
15.3337


 146.6512, 92.6772,  
154.5016

 9.6107, 2.3226,  
8.9047

 181.9829,  
119.4986, 192.8573

 5.2019, 0.7856,  
4.5831

 222.5772,  
151.0517, 237.0873

 2.4022, 0.0000,  
1.9504

268.7995,

 0.8462, 0.0000,

187.7209, 287.6101

0.5245

321.0152,  
229.8907, 344.8443

■ 0.0000, 0.0000,  
0.0000

■ 50.6440, 25.0216,  
51.4506

■ 50.6440, 25.0216,  
51.4506

■ 50.6424, 25.0210,  
51.4424

■ 51.7238, 26.0290,  
55.3629

■ 53.3018, 27.9829,  
59.5949

■ 55.5214, 31.1694,  
64.1965

■ 58.4702, 35.7633,  
69.1985

■ 62.2219, 41.9113,  
74.6275

66.8407, 49.7413,  
80.5065

72.3843, 59.3682,  
86.8565

78.9054, 70.8966,  
93.6968

86.4524, 84.4231,  
101.0452

# Harmonies

## Analogous

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



41.1928, 25.0216, 103.9510



50.6440, 25.0216, 51.4506



51.6929, 25.0216, 16.5109

# Triad

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



50.6440, 25.0216, 51.4506



19.6588, 25.0216, 0.3762



11.0684, 25.0216, 92.3839

# Complementary

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



50.6440, 25.0216, 51.4506



36.6878, 71.8912, 16.8018

# 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.



8.3204, 25.0216, 41.8417



50.6440, 25.0216, 51.4506



12.1335, 25.0216, 2.2797

# Square

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



50.6440, 25.0216, 51.4506



31.1752, 25.0216, 0.5705



8.6368, 25.0216, 12.1467



17.6616, 25.0216, 137.7531



# Rectangle

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



50.6440, 25.0216, 51.4506



47.1803, 25.0216, 5.9726



8.6368, 25.0216, 12.1467



9.7738, 25.0216, 74.2835

# Sweetspot

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



50.6446, 25.0229, 51.4510



72.3707, 59.3444, 86.8417



20.1515, 8.3043, 95.1485



14.9653, 11.7854, 18.0022



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.



50.6446, 25.0229, 51.4510



50.6424, 25.0210, 51.4424



42.1602, 21.6291, 6.7724



18.5864, 18.2179, 21.7050



26.5249, 13.0992, 27.2122



2.6264, 1.2929, 2.8801



# Inverse Universe

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



50.6446, 25.0229, 51.4510



50.6424, 25.0210, 51.4424



45.1938, 75.2936, 61.5941



18.5864, 18.2179, 21.7050



26.5249, 13.0992, 27.2122



2.6264, 1.2929, 2.8801



# Previews

## White Background



This preview shows how the XYZ color 50.6440, 25.0216, 51.4506 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

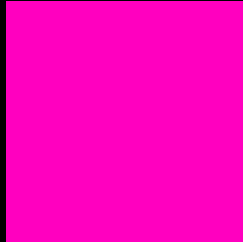
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 50.6440, 25.0216, 51.4506 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

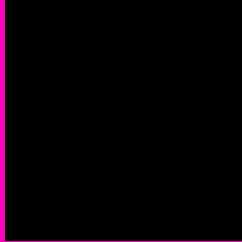
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 50.6440, 25.0216, 51.4506**

## **Background**



This preview shows how black text looks on a background with the XYZ color 50.6440, 25.0216, 51.4506.



This preview shows how white text looks on a background with the XYZ color 50.6440, 25.0216,



# 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

50.6440, 25.0216, 51.4506

### Protanopia

29.5556, 25.8067, 98.0312

### Deuteranopia

26.1468, 25.6088, 46.2127



## Tritanopia

42.2851, 25.3708, 10.0655

# Trichromacy



## Original Color

50.6440, 25.0216, 51.4506



## Protanomaly

28.7985, 17.9859, 78.2977



## Deuteranomaly

29.6346, 19.3492, 46.9726



## Tritanomaly

43.8715, 23.7940, 20.0497

# Monochromacy



## Original Color

50.6440, 25.0216, 51.4506



## Achromatopsia

11.6093, 12.2139, 13.3009



## Achromatomaly

19.4051, 12.0798, 23.1387

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 50.6440, 25.0216, 51.4506 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, 0, 191)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 191)  
}
```

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, 0, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 191) }
```

## Border

The CSS property to change the border of an element to XYZ 50.6440, 25.0216, 51.4506 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, 0, 191) }
```



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

```
.border{ border-color:rgb(255, 0, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 0, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 191);  
box-shadow:4px 4px 4px 4px rgb(255, 0,  
191) }
```

# Background

The CSS property to change the background color of an element to XYZ 50.6440, 25.0216, 51.4506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 0, 191) }
```

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

```
.background{ background-color: rgb(255, 0,  
191) }
```

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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