

# Converting Colors

XYZ(48.0045, 25.6574, 32.3364)

Have a look what the booklet for  
XYZ(48.0045, 25.6574, 32.3364)  
contains.

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# Color

**XYZ(47.9644, 25.6409,  
32.1269)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF3098
RGB	255, 48, 152
RGB Percent	100%, 19%, 60%
CMY	0.0000, 0.8117, 0.4039
CMYK	0.00, 0.81, 0.40, 0.00
HSL	330°, 100%, 59%
HSV	330°, 81%, 100%
XYZ	47.9644, 25.6409, 32.1269
YIQ	121.7490, 89.9880, 76.2280

# Conversions

## Conversions Part 2

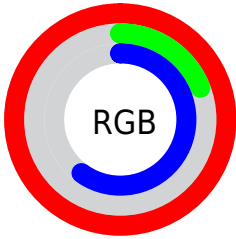
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 48, 152
Decimal	16724120
CIE <sub>Lab</sub>	57.69, 80.42, -6.09
CIE <sub>LCh</sub>	58, 80.655, 355.671
Yxy	25.6409, 0.4536, 0.2425
Android (android.graphics.Color)	4294914200 (0xFFFF3098)
YUV	121.7490, 14.9137, 116.8611
Hunter-Lab	50.6368, 80.4649, -2.1712

# Details

The XYZ color **47.9644, 25.6409, 32.1269** is a light color, and the websafe version is hex **FF3399**. The color can be described as light washed rose. A complement of this color would be **42.5670, 74.3836, 41.3996**, and the grayscale version is **18.3521, 19.3078, 21.0262**.

A 20% lighter version of the original color is **58.7419, 38.4388, 62.7159**, and **24.0872, 12.1461, 13.3868** is the 20% darker color. If you saturate the color by 10%, you get **46.2198, 23.7270, 26.6891**, and if you desaturate by 10%, it is **50.4200, 28.7987, 38.3507**.

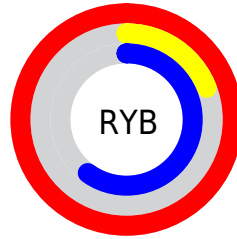
# Distribution



Red (100%)

Green (19%)

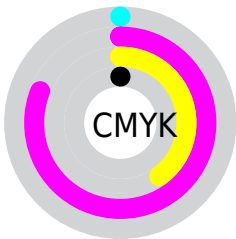
Blue (60%)



Red (100%)

Yellow (19%)

Blue (60%)

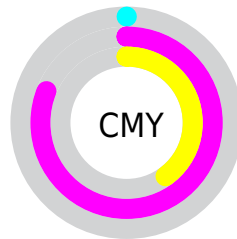


Cyan (0%)

Magenta (81%)

Yellow (40%)

Black (0%)



Cyan (0%)

Magenta (81%)


Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.9644, 25.6409, 32.1269 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 47.9644, 25.6409, 32.1269 by changing the saturation by 10% instead.





 47.9644, 25.6409,  
32.1269


 47.9644, 25.6409,  
32.1269


369.2359,  
281.0148, 326.2074


 34.0098, 16.5552,  
21.1928


 86.3614, 52.6951,  
64.1102


 23.0641, 9.9179,  
13.0724


 111.5346, 71.4323,  
85.9965


 14.7618, 5.3445,  
7.3471


 141.1780, 94.1555,  
112.3706

 8.7376, 2.4508,  
3.5984

 175.6569,  
121.2491, 143.6511

 4.6262, 0.8518,  
1.4077

 215.3369,  
153.0974, 180.2565

 2.0621, 0.0000,  
0.1477

260.5831,

 0.6685, 0.0000,

190.0848, 222.6053

0.0000

311.7610,  
232.5959, 271.1161

■ 0.0000, 0.0000,  
0.0000

■ 47.9644, 25.6409,  
32.1269

■ 47.9644, 25.6409,  
32.1269

■ 46.2198, 23.7270,  
26.6891

■ 50.4200, 28.7987,  
38.3507

■ 45.1431, 22.8212,  
22.4840

■ 53.6771, 33.3765,  
45.4066

■ 57.8144, 39.5262,  
53.3367

■ 62.8998, 47.3787,  
62.1787

■ 68.9942, 57.0513,  
71.9675

76.1534, 68.6507,  
82.7357

84.4286, 82.2753,  
94.5141

93.8679, 98.0168,  
107.3318

95.0499, 100.0000,  
108.9000

# Harmonies

## Analogous

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



43.1407, 25.6409, 69.9151



47.9644, 25.6409, 32.1269



45.2238, 25.6409, 10.6396

# Triad

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



47.9644, 25.6409, 32.1269



17.1810, 25.6409, 2.1870



15.3294, 25.6409, 98.8614

# Complementary

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



47.9644, 25.6409, 32.1269



42.5670, 74.3836, 41.3996

# 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.



11.1761, 25.6409, 57.8646



47.9644, 25.6409, 32.1269



12.0303, 25.6409, 7.3883

# Square

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



47.9644, 25.6409, 32.1269



25.7991, 25.6409, 1.3804



10.1510, 25.6409, 24.0948



22.9964, 25.6409, 121.5697



# Rectangle

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



47.9644, 25.6409, 32.1269



39.7808, 25.6409, 4.5423



10.1510, 25.6409, 24.0948



13.5642, 25.6409, 85.8343

# Sweetspot

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



47.9651, 25.6423, 32.1273



74.0159, 65.1661, 79.5866



31.3311, 15.6368, 95.9744



15.2934, 13.0580, 16.2107



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.



47.9651, 25.6423, 32.1273



45.4819, 23.0896, 23.8579



42.9055, 23.6185, 5.4838



18.3900, 18.1393, 20.6711



23.6637, 11.9548, 12.1457



2.3592, 1.1861, 1.4730



# Inverse Universe

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



47.9651, 25.6423, 32.1273



45.4819, 23.0896, 23.8579



54.4791, 79.1484, 104.1279



18.3900, 18.1393, 20.6711



23.6637, 11.9548, 12.1457



2.3592, 1.1861, 1.4730



# Previews

## White Background



This preview shows how the XYZ color 47.9644, 25.6409, 32.1269 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

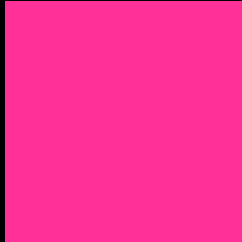
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 47.9644, 25.6409, 32.1269 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

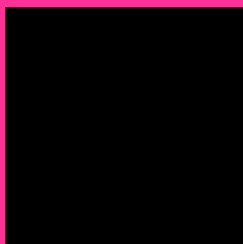
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 47.9644, 25.6409, 32.1269**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.9644, 25.6409, 32.1269.



This preview shows how white text looks on a background with the XYZ color 47.9644, 25.6409,



# 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

47.9644, 25.6409, 32.1269

### Protanopia

27.4011, 26.0902, 63.2662

### Deuteranopia

26.3090, 25.8602, 29.1961



## Tritanopia

43.1114, 25.6109, 9.5086

# Trichromacy



## Original Color

47.9644, 25.6409, 32.1269



## Protanomaly

29.8546, 21.8410, 50.2192



## Deuteranomaly

31.0248, 22.5946, 29.9201



## Tritanomaly

44.4770, 25.3617, 15.6478

# Monochromacy



## Original Color

47.9644, 25.6409, 32.1269



## Achromatopsia

18.4984, 19.4618, 21.1939



## Achromatomaly

24.9034, 18.4239, 24.4339

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.9644, 25.6409, 32.1269 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, 48, 152)` looks like.

```
.text, #text, p{  
    color:rgb(255, 48, 152)  
}
```

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, 48, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 48, 152) }
```

## Border

The CSS property to change the border of an element to XYZ 47.9644, 25.6409, 32.1269 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, 48, 152) }
```



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

```
.border{ border-color:rgb(255, 48, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 48, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 48, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 48, 152);  
box-shadow:4px 4px 4px 4px rgb(255, 48,  
152) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.9644, 25.6409, 32.1269 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 48, 152) }
```

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

```
.background{ background-color: rgb(255, 48,  
152) }
```

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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