

# Converting Colors

XYZ(98.6717, 52.9818, 31.3184)

Have a look what the booklet for  
XYZ(98.6717, 52.9818, 31.3184)  
contains.

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# Color

**XYZ(48.1074, 26.9404,  
29.0500)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF4090
RGB	255, 64, 144
RGB Percent	100%, 25%, 56%
CMY	0.0000, 0.7490, 0.4353
CMYK	0.00, 0.75, 0.44, 0.00
HSL	335°, 100%, 63%
HSV	335°, 75%, 100%
XYZ	48.1074, 26.9404, 29.0500
YIQ	130.2290, 88.1560, 65.3720

# Conversions

## Conversions Part 2

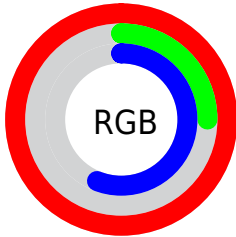
Format	Color
<a href="#">RYB</a>	<a href="#">255, 64, 144</a>
Decimal	<a href="#">16728208</a>
CIELab	<a href="#">58.92, 75.54, 0.42</a>
CIELCh	<a href="#">59, 75.543, 0.317</a>
Yxy	<a href="#">26.9404, 0.4621, 0.2588</a>
Android (android.graphics.Color)	<a href="#">4294918288</a> (0xFFFF4090)
YUV	<a href="#">130.2290, 6.7891, 109.4242</a>
Hunter-Lab	<a href="#">51.9041, 74.6106, 3.1491</a>

# Details

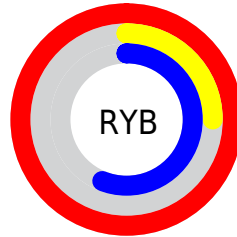
The XYZ color **48.1074, 26.9404, 29.0500** is a light color, and the websafe version is hex **FF3399**. The color can be described as light washed rose. A complement of this color would be **45.6143, 75.7059, 52.7728**, and the grayscale version is **21.2560, 22.3630, 24.3533**.

A 20% lighter version of the original color is **59.0224, 40.5160, 58.1356**, and **24.0127, 12.1456, 11.6684** is the 20% darker color. If you saturate the color by 10%, you get **45.9240, 24.2690, 23.0956**, and if you desaturate by 10%, it is **51.0976, 30.9875, 36.0074**.

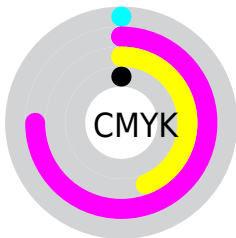
# Distribution



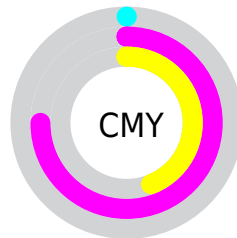
- Red (100%)
- Green (25%)
- Blue (56%)



- Red (100%)
- Yellow (25%)
- Blue (56%)



- Cyan (0%)
- Magenta (75%)
- Yellow (44%)
- Black (0%)




- Cyan (0%)
- Magenta (75%)
- Yellow (44%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 48.1074, 26.9404, 29.0500 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 48.1074, 26.9404, 29.0500 by changing the saturation by 10% instead.





 48.1074, 26.9404,  
29.0500


 48.1074, 26.9404,  
29.0500

369.7932,  
287.3684, 311.5191

 34.1236, 17.5285,  
18.8727


 86.5730, 54.7882,  
59.1996


 23.1519, 10.6120,  
11.4025


 111.7855, 73.9929,  
80.0091


 14.8270, 5.8066,  
6.2207


 141.4716, 97.2306,  
105.1998

 8.7836, 2.7278,  
2.9088

 175.9966,  
124.8857, 135.1901

 4.6563, 0.9913,  
1.0482

 215.7259,  
157.3427, 170.3986

 2.0797, 0.0000,  
0.0000

261.0249,

 0.6781, 0.0000,

194.9859, 211.2440

0.0000

312.2588,  
238.1996, 258.1446

■ 0.0000, 0.0000,  
0.0000

■ 48.1074, 26.9404,  
29.0500

■ 48.1074, 26.9404,  
29.0500

■ 45.9240, 24.2690,  
23.0956

■ 51.0976, 30.9875,  
36.0074

■ 44.4418, 22.7713,  
18.0801

■ 54.9772, 36.5665,  
44.0216

■ 43.8830, 22.3172,  
15.8485

■ 59.8201, 43.8174,  
53.1429

■ 65.6917, 52.8626,  
63.4173

■ 72.6512, 63.8133,  
74.8878

80.7532, 76.7714,  
87.5950

90.0485, 91.8317,  
101.5771

95.0499, 99.9999,  
108.9000

# Harmonies

## Analogous

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



44.6059, 26.9404, 62.9130



48.1074, 26.9404, 29.0500



44.4623, 26.9404, 10.2694

# Triad

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



48.1074, 26.9404, 29.0500



17.5640, 26.9404, 3.5610



17.6982, 26.9404, 100.6101

# Complementary

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



48.1074, 26.9404, 29.0500



45.6143, 75.7059, 52.7728

# 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.



13.0151, 26.9404, 63.7359



48.1074, 26.9404, 29.0500



12.9519, 26.9404, 10.5161

# Square

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



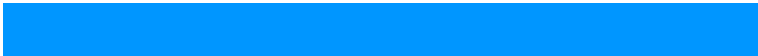
48.1074, 26.9404, 29.0500



25.5069, 26.9404, 2.0993



11.5120, 26.9404, 29.6189



25.7055, 26.9404, 116.7626



# Rectangle

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



48.1074, 26.9404, 29.0500



38.8802, 26.9404, 4.8783



11.5120, 26.9404, 29.6189



15.7600, 26.9404, 89.4409

# Sweetspot

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



48.1081, 26.9419, 29.0504



74.8783, 67.3560, 78.4398



36.9499, 19.6861, 96.4598



15.5802, 13.7060, 16.0770



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.



48.1081, 26.9419, 29.0504



45.0876, 23.3725, 20.4230



44.8018, 26.9026, 7.6839



18.3249, 18.1133, 20.3283



23.0004, 11.6894, 8.6523



2.2925, 1.1594, 1.1217



# Inverse Universe

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



48.1081, 26.9419, 29.0504



45.0876, 23.3725, 20.4230



51.9969, 71.9739, 105.7593



18.3249, 18.1133, 20.3283



23.0004, 11.6894, 8.6523



2.2925, 1.1594, 1.1217



# Previews

## White Background



This preview shows how the XYZ color 48.1074, 26.9404, 29.0500 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

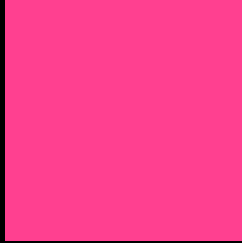
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 48.1074, 26.9404, 29.0500 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

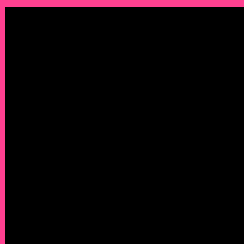
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 48.1074, 26.9404, 29.0500**

## **Background**



This preview shows how black text looks on a background with the XYZ color 48.1074, 26.9404, 29.0500.



This preview shows how white text looks on a background with the XYZ color 48.1074, 26.9404,

29.0500.

# 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

48.1074, 26.9404, 29.0500

### Protanopia

27.5744, 27.0631, 52.4856

### Deuteranopia

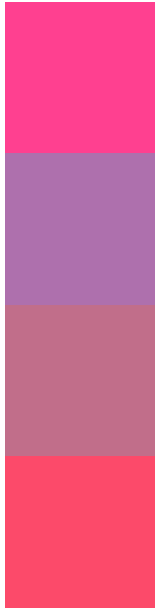
27.4194, 26.9097, 26.6706



## Tritanopia

44.2526, 26.8866, 11.2448

# Trichromacy



## Original Color

48.1074, 26.9404, 29.0500

## Protanomaly

30.7926, 23.6041, 42.4683

## Deuteranomaly

32.1557, 24.3243, 27.0450

## Tritanomaly

45.1952, 26.6336, 16.3944

# Monochromacy



## Original Color

48.1074, 26.9404, 29.0500

## Achromatopsia

21.2178, 22.3228, 24.3095

## Achromatomaly

27.2064, 21.1713, 25.5742

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 48.1074, 26.9404, 29.0500 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, 64, 144)` looks like.

```
.text, #text, p{  
    color:rgb(255, 64, 144)  
}
```

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, 64, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 64, 144) }
```

## Border

The CSS property to change the border of an element to XYZ 48.1074, 26.9404, 29.0500 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, 64, 144) }
```



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

```
.border{ border-color:rgb(255, 64, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 64, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 64, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 64, 144);  
box-shadow:4px 4px 4px 4px rgb(255, 64,  
144) }
```

# Background

The CSS property to change the background color of an element to XYZ 48.1074, 26.9404, 29.0500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 64, 144) }
```

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

```
.background{ background-color: rgb(255, 64,  
144) }
```

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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