

# Converting Colors

XYZ(47.0513, 27.4005, 29.5970)

Have a look what the booklet for  
XYZ(47.0513, 27.4005, 29.5970)  
contains.

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# Color

**XYZ(47.0513, 27.4005,  
29.5970)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FA4B91
RGB	250, 75, 145
RGB Percent	98%, 29%, 57%
CMY	0.0196, 0.7058, 0.4314
CMYK	0.00, 0.70, 0.42, 0.02
HSL	336°, 95%, 64%
HSV	336°, 70%, 98%
XYZ	47.0513, 27.4005, 29.5970
YIQ	135.3050, 81.8300, 58.8700

# Conversions

## Conversions Part 2

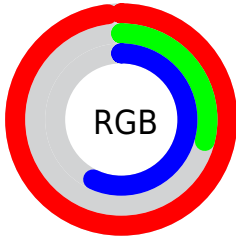
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">250, 75, 145</a>
Decimal	<a href="#">16403345</a>
CIELab	<a href="#">59.34, 70.78, 0.35</a>
CIELCh	<a href="#">59, 70.777, 0.280</a>
Yxy	<a href="#">27.4005, 0.4522, 0.2633</a>
Android (android.graphics.Color)	<a href="#">4294593425 (0xFFFA4B91)</a>
YUV	<a href="#">135.3050, 4.7796, 100.5875</a>
Hunter-Lab	<a href="#">52.3455, 68.8420, 3.1183</a>

# Details

The XYZ color **47.0513, 27.4005, 29.5970** is a light color, and the websafe version is hex **FF6699**. The color can be described as light washed rose. A complement of this color would be **45.3274, 73.1632, 54.9186**, and the grayscale version is **23.1055, 24.3088, 26.4723**.

A 20% lighter version of the original color is **60.2128, 42.7115, 59.1034**, and **22.8046, 11.5176, 11.8477** is the 20% darker color. If you saturate the color by 10%, you get **44.5947, 24.2178, 23.4431**, and if you desaturate by 10%, it is **50.3279, 31.9786, 36.7783**.

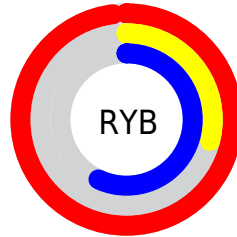
# Distribution



Red (98%)

Green (29%)

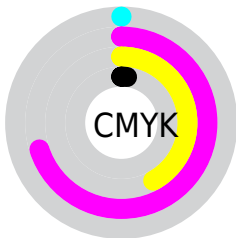
Blue (57%)



Red (98%)

Yellow (29%)

Blue (57%)

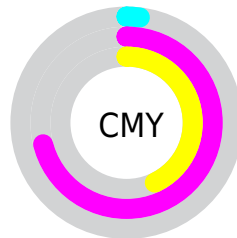


Cyan (0%)

Magenta (70%)

Yellow (42%)

Black (2%)



Cyan (2%)

Magenta (71%)


Yellow (43%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.0513, 27.4005, 29.5970 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 47.0513, 27.4005, 29.5970 by changing the saturation by 10% instead.





 47.0513, 27.4005,  
29.5970


 47.0513, 27.4005,  
29.5970

365.6648,  
289.5911, 314.1701


 33.2843, 17.8742,  
19.2835


 85.0085, 55.5259,  
60.0777


 22.5046, 10.8597,  
11.6964


 109.9294, 74.8938,  
81.0820

 14.3468, 5.9726,  
6.4173


 139.2990, 98.3110,  
106.4869

 8.4456, 2.8284,  
3.0276

 173.4826,  
126.1620, 136.7110

 4.4356, 1.0428,  
1.1087

212.8457,  
158.8311, 172.1728

 1.9514, 0.0000,  
0.0000

257.7535,

 0.6064, 0.0000,

196.7027, 213.2909

0.0000

308.5714,  
240.1612, 260.4838

■ 0.0000, 0.0000,  
0.0000

■ 47.0513, 27.4005,  
29.5970

■ 47.0513, 27.4005,  
29.5970

■ 44.5947, 24.2178,  
23.4431

■ 50.3279, 31.9786,  
36.7783

■ 42.8666, 22.2575,  
18.2561

■ 54.4975, 38.0893,  
45.0382


■ 41.7246, 21.2443,  
13.9575


■ 59.6271, 45.8581,  
54.4258


■ 41.7242, 21.2439,  
13.9557

■ 65.7764, 55.3963,  
64.9859

■ 73.0001, 66.8053,  
76.7608

 81.3488, 80.1790,  
89.7902

 90.8698, 95.6047,  
104.1122

 93.2343, 99.0640,  
108.8150

# Harmonies

## Analogous

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



43.8066, 27.4005, 61.1294



47.0513, 27.4005, 29.5970



43.6891, 27.4005, 11.3822

# Triad

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



47.0513, 27.4005, 29.5970



18.3666, 27.4005, 4.4287



18.4809, 27.4005, 95.3859

# Complementary

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



47.0513, 27.4005, 29.5970



45.3274, 73.1632, 54.9186

# 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.



13.9326, 27.4005, 61.7972



47.0513, 27.4005, 29.5970



13.8779, 27.4005, 11.6005

# Square

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



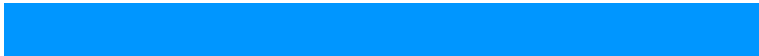
47.0513, 27.4005, 29.5970



25.9603, 27.4005, 2.8132



12.4572, 27.4005, 30.0732



26.1266, 27.4005, 109.9947



# Rectangle

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



47.0513, 27.4005, 29.5970



38.5105, 27.4005, 5.8487



12.4572, 27.4005, 30.0732



16.6071, 27.4005, 85.2595

# Sweetspot

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



47.0520, 27.4020, 29.5975



75.5332, 68.5640, 78.9720



38.5956, 21.6396, 92.5851



15.7025, 13.9387, 16.1547



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.



47.0520, 27.4020, 29.5975



45.8225, 24.3507, 22.1839



44.5662, 28.5751, 9.8253



17.5322, 17.3402, 19.3924



22.1982, 11.2950, 7.7520



2.1067, 1.0664, 0.9852



# Inverse Universe

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



47.0520, 27.4020, 29.5975



45.8225, 24.3507, 22.1839



49.1557, 66.3942, 100.6671



17.5322, 17.3402, 19.3924



22.1982, 11.2950, 7.7520



2.1067, 1.0664, 0.9852



# Previews

## White Background



This preview shows how the XYZ color 47.0513, 27.4005, 29.5970 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

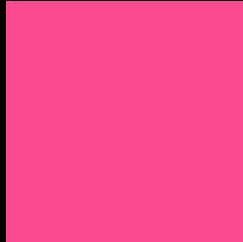
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 47.0513, 27.4005, 29.5970 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 47.0513, 27.4005, 29.5970**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.0513, 27.4005, 29.5970.



This preview shows how white text looks on a background with the XYZ color 47.0513, 27.4005,



# 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

47.0513, 27.4005, 29.5970

### Protanopia

28.0516, 27.7967, 50.3412

### Deuteranopia

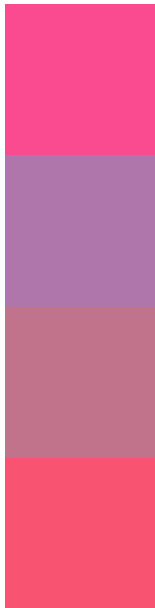
28.0296, 27.4281, 27.1094



## Tritanopia

43.7418, 27.3809, 13.3355

# Trichromacy



## Original Color

47.0513, 27.4005, 29.5970

## Protanomaly

31.5083, 25.0111, 41.6950

## Deuteranomaly

32.7833, 25.4630, 27.6131

## Tritanomaly

44.7293, 27.3128, 18.2436

# Monochromacy



## Original Color

47.0513, 27.4005, 29.5970

## Achromatopsia

23.0288, 24.2281, 26.3844

## Achromatomaly

28.6968, 23.0214, 27.3572

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.0513, 27.4005, 29.5970 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(250, 75, 145)` looks like.

```
.text, #text, p{  
    color:rgb(250, 75, 145)  
}
```

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(250, 75, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 75, 145) }
```

## Border

The CSS property to change the border of an element to XYZ 47.0513, 27.4005, 29.5970 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(250, 75, 145) }
```



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

```
.border{ border-color:rgb(250, 75, 145) }
```

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

Here you see how a box with a 4 pixel rgb(250, 75, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 75, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 75, 145);  
box-shadow:4px 4px 4px 4px rgb(250, 75,  
145) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.0513, 27.4005, 29.5970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 75, 145) }
```

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

```
.background{ background-color: rgb(250, 75,  
145) }
```

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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