

# Converting Colors

XYZ(46.5468, 26.0527, 21.6442)

Have a look what the booklet for  
XYZ(46.5468, 26.0527, 21.6442)  
contains.

<b>XYZ(46.5468, 26.0527, 21.6442)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(46.5468, 26.0527,  
21.6442)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FF3D7C
RGB	255, 61, 124
RGB Percent	100%, 24%, 49%
CMY	0.0000, 0.7607, 0.5137
CMYK	0.00, 0.76, 0.51, 0.00
HSL	341°, 100%, 62%
HSV	341°, 76%, 100%
XYZ	46.5468, 26.0527, 21.6442
YIQ	126.1880, 95.4010, 60.7210

# Conversions

## Conversions Part 2

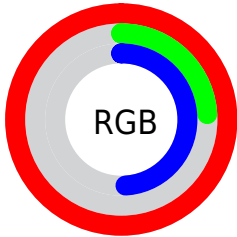
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 61, 124
Decimal	16727420
CIE <sub>Lab</sub>	58.09, 74.77, 11.01
CIE <sub>LCh</sub>	58, 75.579, 8.379
Yxy	26.0527, 0.4939, 0.2764
Android (android.graphics.Color)	4294917500 (0xFFFF3D7C)
YUV	126.1880, -1.0787, 112.9681
Hunter-Lab	51.0418, 73.4570, 10.5875

# Details

The XYZ color **46.5468, 26.0527, 21.6442** is a dark color, and the websafe version is hex **FF3366**. The color can be described as middle washed rose. A complement of this color would be **47.2011, 76.3186, 62.1203**, and the grayscale version is **19.8781, 20.9133, 22.7745**.

A 20% lighter version of the original color is **56.4101, 39.0618, 45.6408**, and **23.0427, 11.7283, 7.8868** is the 20% darker color. If you saturate the color by 10%, you get **44.4984, 23.5494, 16.0496**, and if you desaturate by 10%, it is **49.4330, 29.9276, 28.4567**.

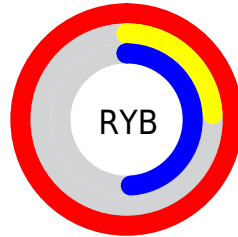
# Distribution



Red (100%)

Green (24%)

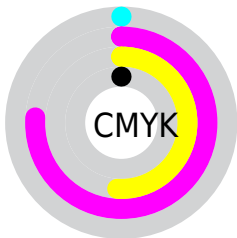
Blue (49%)



Red (100%)

Yellow (24%)

Blue (49%)

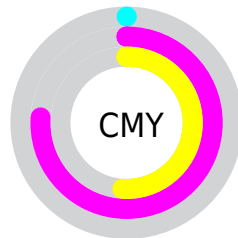


Cyan (0%)

Magenta (76%)

Yellow (51%)

Black (0%)



Cyan (0%)

Magenta (76%)


Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 46.5468, 26.0527, 21.6442 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 46.5468, 26.0527, 21.6442 by changing the saturation by 10% instead.





 46.5468, 26.0527,  
21.6442


 46.5468, 26.0527,  
21.6442


363.6818,  
283.0407, 273.5752


 32.8840, 16.8631,  
13.3999


 84.2596, 53.3600,  
47.0519


 22.1964, 10.1369,  
7.5705


 109.0403, 72.2464,  
65.0523


 14.1187, 5.4898,  
3.7376


 138.2576, 95.1338,  
87.1418

 8.2855, 2.5374,  
1.4825


 172.2770,  
122.4067, 113.7390

 4.3315, 0.8953,  
0.2049

 211.4638,  
154.4495, 145.2624

 1.8913, 0.0000,  
0.0000

256.1832,

 0.5718, 0.0000,

191.6464, 182.1305

0.0000

306.8008,  
234.3821, 224.7619

■ 0.0000, 0.0000,  
0.0000

■ 46.5468, 26.0527,  
21.6442

■ 46.5468, 26.0527,  
21.6442

■ 44.4984, 23.5494,  
16.0496

■ 49.4330, 29.9276,  
28.4567

■ 43.1753, 22.2080,  
11.5860

■ 53.2452, 35.3353,  
36.5612

■ 42.7933, 21.8813,  
10.1107

■ 58.0618, 42.4190,  
46.0263

■ 63.9520, 51.3044,  
56.9149

■ 70.9787, 62.1047,  
69.2857

■ 79.1996, 74.9241,  
83.1938

■ 88.6687, 89.8591,  
98.6915

95.0498, 99.9999,  
108.9000

# Harmonies

## Analogous

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



44.9667, 26.0527, 51.2591



46.5468, 26.0527, 21.6442



41.2602, 26.0527, 7.1830

# Triad

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



46.5468, 26.0527, 21.6442



15.3720, 26.0527, 4.3724



18.8326, 26.0527, 105.6448

# Complementary

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



46.5468, 26.0527, 21.6442



47.2011, 76.3186, 62.1203

# 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.



13.3787, 26.0527, 72.5187



46.5468, 26.0527, 21.6442



11.7501, 26.0527, 13.5646

# Square

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



46.5468, 26.0527, 21.6442



22.2877, 26.0527, 2.0222



11.1232, 26.0527, 36.3549



27.4136, 26.0527, 113.0313



# Rectangle

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



46.5468, 26.0527, 21.6442



35.1715, 26.0527, 3.4649



11.1232, 26.0527, 36.3549



16.6408, 26.0527, 96.4744

# Sweetspot

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



46.5475, 26.0542, 21.6446



73.3753, 65.8245, 73.3934



41.0391, 21.5497, 96.6038



15.1048, 13.1574, 14.6788



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.



46.5475, 26.0542, 21.6446



43.7640, 22.7582, 13.7147



46.0273, 29.4865, 7.6825



18.2525, 18.0843, 19.9467



22.4210, 11.4577, 5.6014



2.2307, 1.1347, 0.7964



# Inverse Universe

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



46.5475, 26.0542, 21.6446



43.7640, 22.7582, 13.7147



46.2745, 60.8110, 103.9061



18.2525, 18.0843, 19.9467



22.4210, 11.4577, 5.6014



2.2307, 1.1347, 0.7964



# Previews

## White Background



This preview shows how the XYZ color 46.5468, 26.0527, 21.6442 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

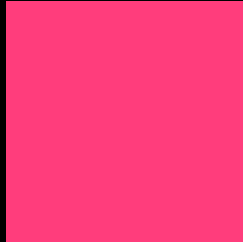
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 46.5468, 26.0527, 21.6442 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 46.5468, 26.0527, 21.6442**

## **Background**



This preview shows how black text looks on a background with the XYZ color 46.5468, 26.0527, 21.6442.



This preview shows how white text looks on a background with the XYZ color 46.5468, 26.0527,



# 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

46.5468, 26.0527, 21.6442

### Protanopia

26.0158, 26.3327, 39.3089

### Deuteranopia

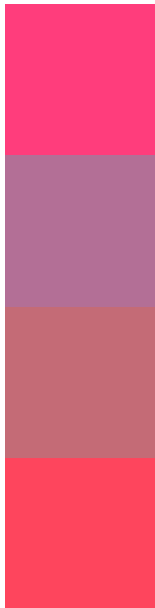
26.5199, 25.9694, 19.8345



## Tritanopia

44.1951, 26.1695, 9.5594

# Trichromacy



## Original Color

46.5468, 26.0527, 21.6442

## Protanomaly

29.7799, 23.1546, 31.7539

## Deuteranomaly

31.2927, 23.5592, 20.0376

## Tritanomaly

44.9770, 26.1174, 13.0265

# Monochromacy



## Original Color

46.5468, 26.0527, 21.6442

## Achromatopsia

19.8309, 20.8637, 22.7206

## Achromatomaly

25.6866, 19.8676, 21.8830

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 46.5468, 26.0527, 21.6442 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, 61, 124)` looks like.

```
.text, #text, p{  
    color:rgb(255, 61, 124)  
}
```

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, 61, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 61, 124) }
```

## Border

The CSS property to change the border of an element to XYZ 46.5468, 26.0527, 21.6442 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, 61, 124) }
```



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

```
.border{ border-color:rgb(255, 61, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 61, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 61, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 61, 124);  
box-shadow:4px 4px 4px 4px rgb(255, 61,  
124) }
```

# Background

The CSS property to change the background color of an element to XYZ 46.5468, 26.0527, 21.6442 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 61, 124) }
```

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

```
.background{ background-color: rgb(255, 61,  
124) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor