

# Converting Colors

XYZ(45.7168, 25.7384, 17.2190)

Have a look what the booklet for  
XYZ(45.7168, 25.7384, 17.2190)  
contains.

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# Color

**XYZ(45.7232, 25.7233,  
17.3071)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FF3D6E
RGB	255, 61, 110
RGB Percent	100%, 24%, 43%
CMY	0.0000, 0.7607, 0.5686
CMYK	0.00, 0.76, 0.57, 0.00
HSL	345°, 100%, 62%
HSV	345°, 76%, 100%
XYZ	45.7232, 25.7233, 17.3071
YIQ	124.5920, 99.8950, 56.3670

# Conversions

## Conversions Part 2

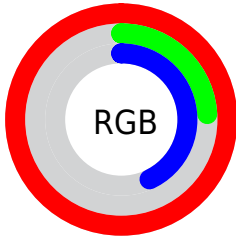
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 61, 110
Decimal	16727406
CIE Lab	57.77, 73.79, 18.86
CIE LCh	58, 76.157, 14.336
Yxy	25.7233, 0.5152, 0.2898
Android (android.graphics.Color)	4294917486 (0xFFFF3D6E)
YUV	124.5920, -7.1939, 114.3678
Hunter-Lab	50.7181, 72.1638, 15.2705

# Details

The XYZ color **45.7232, 25.7233, 17.3071** 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 **48.8275, 76.9691, 70.6845**, and the grayscale version is **19.3580, 20.3662, 22.1788**.

A 20% lighter version of the original color is **54.8807, 38.2485, 38.2084**, and **22.3831, 11.4352, 5.7301** is the 20% darker color. If you saturate the color by 10%, you get **43.7418, 23.2468, 12.0656**, and if you desaturate by 10%, it is **48.5754, 29.5847, 23.9404**.

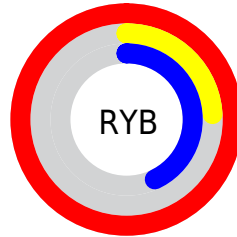
# Distribution



Red (100%)

Green (24%)

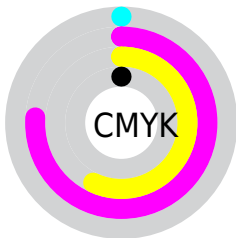
Blue (43%)



Red (100%)

Yellow (24%)

Blue (43%)

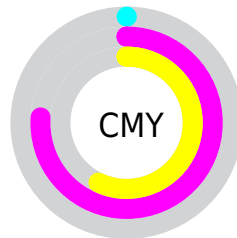


Cyan (0%)

Magenta (76%)

Yellow (57%)

Black (0%)



Cyan (0%)

Magenta (76%)


Yellow (57%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.7232, 25.7233, 17.3071 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 45.7232, 25.7233, 17.3071 by changing the saturation by 10% instead.




 45.7232, 25.7233,  
17.3071

 45.7232, 25.7233,  
17.3071


360.4293,  
281.4211, 249.0395


 32.2311, 16.6168,  
10.2894


 83.0350, 52.8282,  
39.6509


 21.6945, 9.9616,  
5.4832


 107.5854, 71.5954,  
55.8141


 13.7480, 5.3735,  
2.4698


 136.5527, 94.3516,  
75.8629

 8.0261, 2.4680,  
0.8241

 170.3022,  
121.4811, 100.2158

 4.1636, 0.8606,  
0.0000

 209.1993,  
153.3684, 129.2914

 1.7951, 0.0000,  
0.0000

253.6092,

 0.5147, 0.0000,

190.3980, 163.5082

0.0000

303.8975,  
232.9541, 203.2847

■ 0.0000, 0.0000,  
0.0000

■ 45.7232, 25.7233,  
17.3071

■ 45.7232, 25.7233,  
17.3071

■ 43.7418, 23.2468,  
12.0656

■ 48.5754, 29.5847,  
23.9404

■ 42.5142, 21.9436,  
8.1051

■ 52.3906, 34.9936,  
32.0607

■ 42.1764, 21.6345,  
6.8623

■ 57.2508, 42.0948,  
41.7554

■ 63.2284, 51.0152,  
53.1044

■ 70.3894, 61.8692,  
66.1821

78.7942, 74.7622,  
81.0581

88.4992, 89.7916,  
97.7981

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.



45.5634, 25.7233, 43.9059



45.7232, 25.7233, 17.3071



39.2889, 25.7233, 5.5091

# Triad

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



45.7232, 25.7233, 17.3071



14.1129, 25.7233, 5.2348



20.0064, 25.7233, 109.7409

# Complementary

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



45.7232, 25.7233, 17.3071



48.8275, 76.9691, 70.6845

# 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.



13.9141, 25.7233, 79.9308



45.7232, 25.7233, 17.3071



11.1358, 25.7233, 16.5025

# Square

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



45.7232, 25.7233, 17.3071



20.3526, 25.7233, 2.0737



11.0735, 25.7233, 42.4029



29.0617, 25.7233, 110.4930



# Rectangle

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



45.7232, 25.7233, 17.3071



32.8736, 25.7233, 2.7321



11.0735, 25.7233, 42.4029



17.6031, 25.7233, 102.2279

# Sweetspot

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



45.7238, 25.7248, 17.3075



72.8370, 65.6091, 70.5584



44.4217, 23.2936, 96.7620



14.9768, 13.1062, 14.0048



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.



45.7238, 25.7248, 17.3075



43.0512, 22.4731, 9.9614



47.2652, 31.9625, 8.0953



18.1975, 18.0623, 19.6574



22.0884, 11.3247, 3.8500



2.1924, 1.1193, 0.5946



# Inverse Universe

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



45.7238, 25.7248, 17.3075



43.0512, 22.4731, 9.9614



42.9569, 54.1757, 102.8001



18.1975, 18.0623, 19.6574



22.0884, 11.3247, 3.8500



2.1924, 1.1193, 0.5946



# Previews

## White Background



This preview shows how the XYZ color 45.7232, 25.7233, 17.3071 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

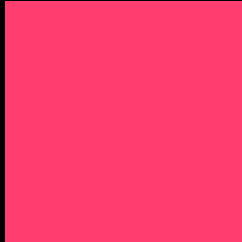
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 45.7232, 25.7233, 17.3071 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 45.7232, 25.7233, 17.3071**

## **Background**



This preview shows how black text looks on a background with the XYZ color 45.7232, 25.7233, 17.3071.



This preview shows how white text looks on a background with the XYZ color 45.7232, 25.7233,



# 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

45.7232, 25.7233, 17.3071

### Protanopia

25.0024, 25.7725, 31.2606

### Deuteranopia

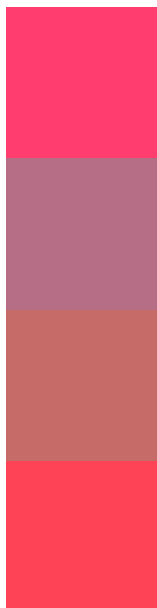
26.2535, 25.7140, 15.8915



## Tritanopia

43.8679, 25.7308, 8.7853

# Trichromacy



## Original Color

45.7232, 25.7233, 17.3071

## Protanomaly

28.9351, 22.6968, 25.4101

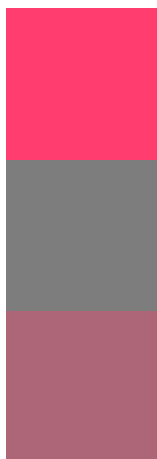
## Deuteranomaly

31.0451, 23.5206, 16.0004

## Tritanomaly

44.5599, 25.7570, 11.4271

# Monochromacy



## Original Color

45.7232, 25.7233, 17.3071

## Achromatopsia

19.4927, 20.5079, 22.3331

## Achromatomaly

25.1548, 19.6295, 20.2324

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.7232, 25.7233, 17.3071 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, 110)` looks like.

```
.text, #text, p{  
    color:rgb(255, 61, 110)  
}
```

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, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 61, 110) }
```

## Border

The CSS property to change the border of an element to XYZ 45.7232, 25.7233, 17.3071 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, 110) }
```



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

```
.border{ border-color:rgb(255, 61, 110) }
```

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, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 61, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 61, 110);  
box-shadow:4px 4px 4px 4px rgb(255, 61,  
110) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.7232, 25.7233, 17.3071 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, 110) }
```

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

```
.background{ background-color: rgb(255, 61,  
110) }
```

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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