

# Converting Colors

XYZ(46.0305, 25.4397, 20.1781)

Have a look what the booklet for  
XYZ(46.0305, 25.4397, 20.1781)  
contains.

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# Color

**XYZ(46.0443, 25.4444,  
20.2538)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF3878
RGB	255, 56, 120
RGB Percent	100%, 22%, 47%
CMY	0.0000, 0.7803, 0.5294
CMYK	0.00, 0.78, 0.53, 0.00
HSL	341°, 100%, 61%
HSV	341°, 78%, 100%
XYZ	46.0443, 25.4444, 20.2538
YIQ	122.7970, 98.0600, 62.0920

# Conversions

## Conversions Part 2

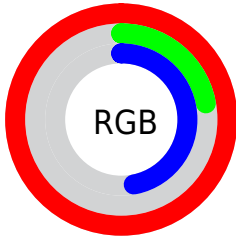
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 56, 120
Decimal	16726136
CIE <sub>Lab</sub>	57.51, 75.85, 12.57
CIE <sub>LCh</sub>	58, 76.888, 9.406
Yxy	25.4444, 0.5019, 0.2773
Android (android.graphics.Color)	4294916216 (0xFFFF3878)
YUV	122.7970, -1.3789, 115.9420
Hunter-Lab	50.4424, 74.6621, 11.5034

# Details

The XYZ color **46.0443, 25.4444, 20.2538** 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 **46.7972, 76.1231, 61.5256**, and the grayscale version is **18.7440, 19.7201, 21.4752**.

A 20% lighter version of the original color is **55.5238, 37.9133, 43.4213**, and **22.9079, 11.6743, 7.1769** is the 20% darker color. If you saturate the color by 10%, you get **44.1504, 23.1880, 14.9020**, and if you desaturate by 10%, it is **48.7577, 29.0365, 26.8150**.

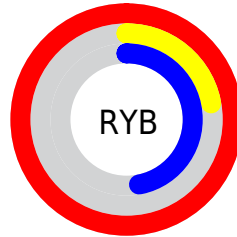
# Distribution



Red (100%)

Green (22%)

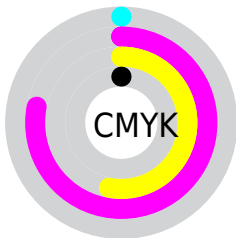
Blue (47%)



Red (100%)

Yellow (22%)

Blue (47%)

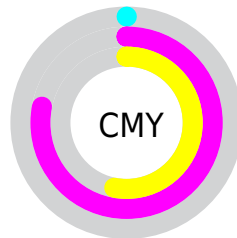


Cyan (0%)

Magenta (78%)

Yellow (53%)

Black (0%)



Cyan (0%)

Magenta (78%)


Yellow (53%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 46.0443, 25.4444, 20.2538 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 46.0443, 25.4444, 20.2538 by changing the saturation by 10% instead.




 46.0443, 25.4444,  
20.2538


 46.0443, 25.4444,  
20.2538


361.6997,  
280.0439, 265.9353


 32.4856, 16.4085,  
12.3938


 83.5128, 52.3773,  
44.7068


 21.8900, 9.8136,  
6.8867


 108.1532, 71.0430,  
62.1369

 13.8922, 5.2756,  
3.3139


 137.2182, 93.6874,  
83.5941

 8.1269, 2.4098,  
1.2571

 171.0731,  
120.6949, 109.4969

 4.2288, 0.8309,  
0.0262

 210.0834,  
152.4499, 140.2639

 1.8324, 0.0000,  
0.0000

254.6144,

 0.5371, 0.0000,

189.3368, 176.3136

0.0000

305.0313,  
231.7400, 218.0646

■ 0.0000, 0.0000,  
0.0000

■ 46.0443, 25.4444,  
20.2538

■ 46.0443, 25.4444,  
20.2538

■ 44.1504, 23.1880,  
14.9020

■ 48.7577, 29.0365,  
26.8150

■ 42.9499, 22.0310,  
10.6666

■ 52.3821, 34.1318,  
34.6623

■ 42.7627, 21.8690,  
9.9493

■ 56.9981, 40.8775,  
43.8661

■ 62.6766, 49.4019,  
54.4911

■ 69.4815, 59.8207,  
66.5972

■ 77.4719, 72.2397,  
80.2409

■ 86.7022, 86.7566,  
95.4753

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.



44.6931, 25.4444, 49.4947



46.0443, 25.4444, 20.2538



40.4983, 25.4444, 6.4402

# Triad

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



46.0443, 25.4444, 20.2538



14.6407, 25.4444, 4.1535



18.5048, 25.4444, 106.7873

# Complementary

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



46.0443, 25.4444, 20.2538



46.7972, 76.1231, 61.5256

# 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.



12.9716, 25.4444, 73.6249



46.0443, 25.4444, 20.2538



11.1632, 25.4444, 13.4841

# Square

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



46.0443, 25.4444, 20.2538



21.4193, 25.4444, 1.7928



10.6410, 25.4444, 36.7897



27.1773, 25.4444, 113.1647



# Rectangle

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



46.0443, 25.4444, 20.2538



34.2972, 25.4444, 3.0214



10.6410, 25.4444, 36.7897



16.2845, 25.4444, 97.7224

# Sweetspot

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



46.0449, 25.4459, 20.2542



73.3516, 65.8150, 73.2686



40.3698, 20.8268, 96.4995



15.0991, 13.1551, 14.6490



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.



46.0449, 25.4459, 20.2542



43.3634, 22.3895, 12.2480



45.5414, 28.7203, 6.8867



18.2501, 18.0833, 19.9341



22.4046, 11.4511, 5.5149



2.2289, 1.1339, 0.7868



# Inverse Universe

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



46.0449, 25.4459, 20.2542



43.3634, 22.3895, 12.2480



45.7593, 60.2164, 103.8184



18.2501, 18.0833, 19.9341



22.4046, 11.4511, 5.5149



2.2289, 1.1339, 0.7868



# Previews

## White Background



This preview shows how the XYZ color 46.0443, 25.4444, 20.2538 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

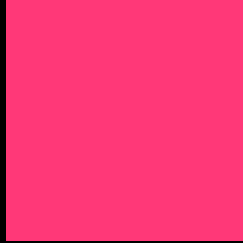
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 46.0443, 25.4444, 20.2538 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 46.0443, 25.4444, 20.2538**

## **Background**



This preview shows how black text looks on a background with the XYZ color 46.0443, 25.4444, 20.2538.



This preview shows how white text looks on a background with the XYZ color 46.0443, 25.4444,

20.2538.

# 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

46.0443, 25.4444, 20.2538

### Protanopia

25.2988, 25.5683, 37.7842

### Deuteranopia

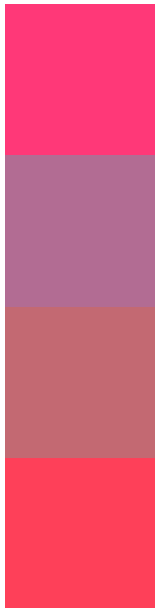
25.8999, 25.4779, 18.3045



## Tritanopia

43.7125, 25.4718, 8.5739

# Trichromacy



## Original Color

46.0443, 25.4444, 20.2538

## Protanomaly

28.9891, 22.2967, 30.3796

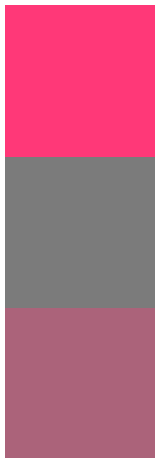
## Deuteranomaly

30.5945, 22.9202, 18.7311

## Tritanomaly

44.5096, 25.4589, 12.0193

# Monochromacy



## Original Color

46.0443, 25.4444, 20.2538

## Achromatopsia

18.8265, 19.8069, 21.5697

## Achromatomaly

24.7693, 18.9867, 20.7717

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 46.0443, 25.4444, 20.2538 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, 56, 120)` looks like.

```
.text, #text, p{  
  color:rgb(255, 56, 120)  
}
```

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, 56, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 56, 120) }
```

## Border

The CSS property to change the border of an element to XYZ 46.0443, 25.4444, 20.2538 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, 56, 120) }
```



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

```
.border{ border-color:rgb(255, 56, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 56, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 56, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 56, 120);  
box-shadow:4px 4px 4px 4px rgb(255, 56,  
120) }
```

# Background

The CSS property to change the background color of an element to XYZ 46.0443, 25.4444, 20.2538 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 56, 120) }
```

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

```
.background{ background-color: rgb(255, 56,  
120) }
```

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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