

# Converting Colors

XYZ(44.8484, 25.1345, 43.9025)

Have a look what the booklet for  
XYZ(44.8484, 25.1345, 43.9025)  
contains.

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# Color

**XYZ(44.8091, 25.0753,  
44.0733)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	ED42B1
RGB	237, 66, 177
RGB Percent	93%, 26%, 69%
CMY	0.0706, 0.7411, 0.3059
CMYK	0.00, 0.72, 0.25, 0.07
HSL	321°, 83%, 59%
HSV	321°, 72%, 93%
XYZ	44.8091, 25.0753, 44.0733
YIQ	129.7830, 66.2850, 70.7730

# Conversions

## Conversions Part 2

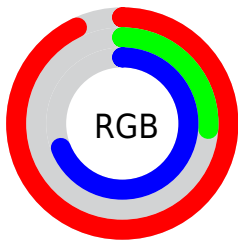
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	237, 66, 177
Decimal	15549105
CIE Lab	57.15, 73.85, -21.83
CIE LCh	57, 77.008, 343.534
Yxy	25.0753, 0.3932, 0.2200
Android (android.graphics.Color)	4293739185 (0xFFED42B1)
YUV	129.7830, 23.2780, 94.0293
Hunter-Lab	50.0752, 72.0964, -17.1309

# Details

The XYZ color **44.8091, 25.0753, 44.0733** is a light color, and the websafe version is hex **FF66CC**. The color can be described as light muted rose. A complement of this color would be **36.2984, 63.2339, 30.0345**, and the grayscale version is **21.0472, 22.1433, 24.1141**.

A 20% lighter version of the original color is **63.6672, 42.5815, 81.9542**, and **21.7696, 10.8023, 20.0065** is the 20% darker color. If you saturate the color by 10%, you get **42.8960, 22.5354, 39.4697**, and if you desaturate by 10%, it is **47.3474, 28.7844, 49.1349**.

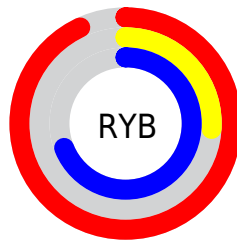
# Distribution



Red (93%)

Green (26%)

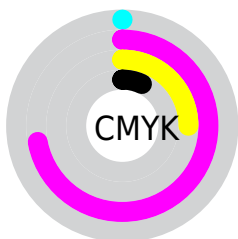
Blue (69%)



Red (93%)

Yellow (26%)

Blue (69%)

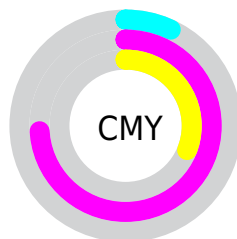


Cyan (0%)

Magenta (72%)

Yellow (25%)

Black (7%)



Cyan (7%)

Magenta (74%)


Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.8091, 25.0753, 44.0733 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 44.8091, 25.0753, 44.0733 by changing the saturation by 10% instead.




 44.8091, 25.0753,  
44.0733

 44.8091, 25.0753,  
44.0733


356.7966,  
278.2127, 379.0574


 31.5077, 16.1332,  
30.3905


 81.6727, 51.7794,  
82.6317


 21.1395, 9.6184,  
19.8806


 105.9656, 70.3101,  
108.3444


 13.3390, 5.1467,  
12.1251


 134.6531, 92.8058,  
138.9041

 7.7410, 2.3336,  
6.7054

 168.1006,  
119.6508, 174.7294

 3.9801, 0.7914,  
3.2029

 206.6733,  
151.2297, 216.2389

 1.6909, 0.0000,  
1.1991

250.7366,

 0.4506, 0.0000,

187.9267, 263.8510

0.0000

300.6559,  
230.1262, 317.9843

■ 0.0000, 0.0000,  
0.0000

■ 44.8091, 25.0753,  
44.0733

■ 44.8091, 25.0753,  
44.0733

■ 42.8960, 22.5354,  
39.4697

■ 47.3474, 28.7844,  
49.1349

■ 41.5289, 21.0082,  
35.2929


■ 50.5727, 33.7853,  
54.6789


■ 40.7444, 20.3323,  
32.2780


■ 54.5413, 40.1893,  
60.7283


■ 59.3030, 48.0946,  
67.3040

■ 64.9032, 57.5907,  
74.4250

 71.3836, 68.7597,  
82.1090

 78.7831, 81.6782,  
90.3730

 86.9432, 96.0278,  
99.1677

 88.2317, 96.5432,  
105.9529

# Harmonies

## Analogous

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



37.9988, 25.0753, 81.9783



44.8091, 25.0753, 44.0733



45.1622, 25.0753, 17.1911

# Triad

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



44.8091, 25.0753, 44.0733



19.9756, 25.0753, 1.8320



13.2826, 25.0753, 78.2707

# Complementary

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



44.8091, 25.0753, 44.0733



36.2984, 63.2339, 30.0345

# 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.



10.5676, 25.0753, 40.7595



44.8091, 25.0753, 44.0733



13.7149, 25.0753, 4.7268

# Square

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



44.8091, 25.0753, 44.0733



29.1336, 25.0753, 1.9435



10.7026, 25.0753, 15.4389



19.2183, 25.0753, 108.8313



# Rectangle

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



44.8091, 25.0753, 44.0733



41.5544, 25.0753, 7.9455



10.7026, 25.0753, 15.4389



12.0392, 25.0753, 65.2997

# Sweetspot

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



44.8099, 25.0766, 44.0738



76.6813, 68.0772, 87.9345



25.8181, 14.4369, 81.5469



16.0057, 13.8762, 18.3175



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.



44.8099, 25.0766, 44.0738



49.7391, 25.5365, 43.9827



38.7909, 22.6690, 12.3783



15.4773, 15.2188, 17.7989



22.3093, 11.1264, 17.9621



1.7971, 0.8918, 1.6489



# Inverse Universe

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



44.8099, 25.0766, 44.0738



49.7391, 25.5365, 43.9827



44.3338, 66.4481, 72.3487



15.4773, 15.2188, 17.7989



22.3093, 11.1264, 17.9621



1.7971, 0.8918, 1.6489



# Previews

## White Background



This preview shows how the XYZ color 44.8091, 25.0753, 44.0733 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

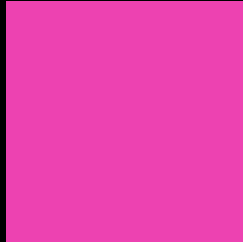
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 44.8091, 25.0753, 44.0733 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

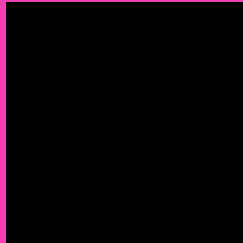
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 44.8091, 25.0753, 44.0733**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.8091, 25.0753, 44.0733.



This preview shows how white text looks on a background with the XYZ color 44.8091, 25.0753,



# 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

44.8091, 25.0753, 44.0733

### Protanopia

27.9524, 25.6377, 77.6041

### Deuteranopia

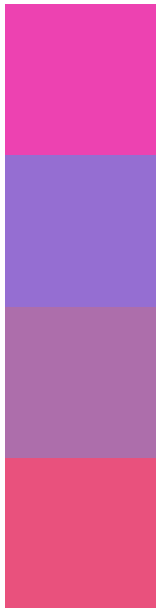
25.8852, 25.3893, 40.5821



## Tritanopia

38.4006, 24.9799, 13.8640

# Trichromacy



## Original Color

44.8091, 25.0753, 44.0733

## Protanomaly

29.6032, 22.1946, 63.6965

## Deuteranomaly

30.1602, 22.9764, 41.3733

## Tritanomaly

40.2484, 24.6892, 22.0462

# Monochromacy



## Original Color

44.8091, 25.0753, 44.0733

## Achromatopsia

21.2178, 22.3228, 24.3095

## Achromatomaly

26.8863, 21.0570, 30.2511

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.8091, 25.0753, 44.0733 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(237, 66, 177)` looks like.

```
.text, #text, p{  
  color:rgb(237, 66, 177)  
}
```

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(237, 66, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 66, 177) }
```

## Border

The CSS property to change the border of an element to XYZ 44.8091, 25.0753, 44.0733 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(237, 66, 177) }
```



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

```
.border{ border-color:rgb(237, 66, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 66, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 66, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 66, 177);  
box-shadow:4px 4px 4px 4px rgb(237, 66,  
177) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.8091, 25.0753, 44.0733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 66, 177) }
```

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

```
.background{ background-color: rgb(237, 66,  
177) }
```

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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