

# Converting Colors

XYZ(43.1032, 24.6288, 32.9288)

Have a look what the booklet for  
XYZ(43.1032, 24.6288, 32.9288)  
contains.

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# Color

**XYZ(43.1598, 24.6445,  
33.0539)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	EE449A
RGB	238, 68, 154
RGB Percent	93%, 27%, 60%
CMY	0.0667, 0.7333, 0.3961
CMYK	0.00, 0.71, 0.35, 0.07
HSL	330°, 83%, 60%
HSV	330°, 71%, 93%
XYZ	43.1598, 24.6445, 33.0539
YIQ	128.6340, 73.7140, 62.7860

# Conversions

## Conversions Part 2

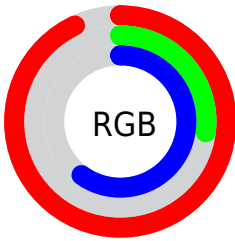
Format	Color
R <sub>Y</sub> B	238, 68, 154
Decimal	15615130
CIE Lab	56.73, 70.83, -9.02
CIE LCh	57, 71.404, 352.740
Yxy	24.6445, 0.4279, 0.2443
Android (android.graphics.Color)	4293805210 (0xFFEE449A)
YUV	128.6340, 12.5054, 95.9140
Hunter-Lab	49.6432, 68.3122, -4.7267

# Details

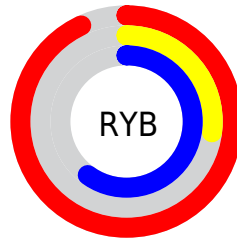
The XYZ color **43.1598, 24.6445, 33.0539** is a light color, and the websafe version is hex **FF3399**. The color can be described as light muted rose. A complement of this color would be **38.6276, 64.6459, 40.1523**, and the grayscale version is **20.6796, 21.7566, 23.6929**.

A 20% lighter version of the original color is **60.4754, 41.5146, 64.5002**, and **20.5796, 10.3264, 13.7405** is the 20% darker color. If you saturate the color by 10%, you get **41.0690, 21.9545, 27.7587**, and if you desaturate by 10%, it is **45.9318, 28.5431, 39.0501**.

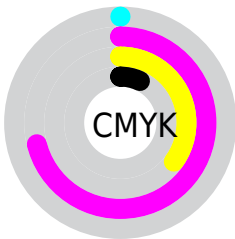
# Distribution



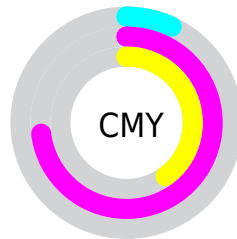
- Red (93%)
- Green (27%)
- Blue (60%)



- Red (93%)
- Yellow (27%)
- Blue (60%)



- Cyan (0%)
- Magenta (71%)
- Yellow (35%)
- Black (7%)



- Cyan (7%)
- Magenta (73%)
- Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.1598, 24.6445, 33.0539 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 43.1598, 24.6445, 33.0539 by changing the saturation by 10% instead.





 43.1598, 24.6445,  
33.0539


 43.1598, 24.6445,  
33.0539


350.1789,  
276.0629, 330.5320

 30.2056, 15.8124,  
21.8963


 79.2062, 51.0799,  
65.5767


 20.1435, 9.3915,  
13.5831


 103.0290, 69.4520,  
87.7789


 12.6083, 4.9974,  
7.6959


 131.2054, 91.7729,  
114.4997

 7.2345, 2.2457,  
3.8160

 164.1008,  
118.4269, 146.1577

 3.6568, 0.7448,  
1.5250

 202.0805,  
149.7986, 183.1714

 1.5099, 0.0000,  
0.2364

245.5099,

 0.3325, 0.0000,

186.2722, 225.9593

0.0000

294.7542,  
228.2321, 274.9400

■ 0.0000, 0.0000,  
0.0000

■ 43.1598, 24.6445,  
33.0539

■ 43.1598, 24.6445,  
33.0539

■ 41.0690, 21.9545,  
27.7587

■ 45.9318, 28.5431,  
39.0501

■ 39.5789, 20.3167,  
23.1235


■ 49.4485, 33.7736,  
45.7809


■ 38.6740, 19.5428,  
19.6284


■ 53.7682, 40.4480,  
53.2784


■ 58.9423, 48.6656,  
61.5718

■ 65.0180, 58.5166,  
70.6884

 72.0386, 70.0843,  
80.6540

 80.0447, 83.4463,  
91.4929

 87.9766, 96.4798,  
102.8626

 89.0700, 96.9172,  
108.6201

# Harmonies

## Analogous

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



38.6123, 24.6445, 65.2558



43.1598, 24.6445, 33.0539



41.5044, 24.6445, 12.7283

# Triad

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



43.1598, 24.6445, 33.0539



17.7655, 24.6445, 2.8725



15.0080, 24.6445, 82.3518

# Complementary

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



43.1598, 24.6445, 33.0539



38.6276, 64.6459, 40.1523

# 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.



11.5456, 24.6445, 48.7398



43.1598, 24.6445, 33.0539



12.8544, 24.6445, 7.5487

# Square

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



43.1598, 24.6445, 33.0539



25.5055, 24.6445, 2.2106



10.8633, 24.6445, 21.4473



21.4587, 24.6445, 102.8311



# Rectangle

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



43.1598, 24.6445, 33.0539



37.2560, 24.6445, 6.1972



10.8633, 24.6445, 21.4473



13.5250, 24.6445, 71.5167

# Sweetspot

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



43.1605, 24.6458, 33.0543



76.3102, 68.8748, 83.0635



30.1098, 16.8090, 82.5466



15.8865, 14.0123, 17.1234



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.



43.1605, 24.6458, 33.0543



47.0996, 24.5988, 29.7188



38.4601, 22.7657, 8.3021



16.1064, 15.8923, 18.1166



21.6417, 10.9291, 11.2957



1.8506, 0.9293, 1.2043



# Inverse Universe

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



43.1605, 24.6458, 33.0543



47.0996, 24.5988, 29.7188



47.9788, 68.3864, 89.3950



16.1064, 15.8923, 18.1166



21.6417, 10.9291, 11.2957



1.8506, 0.9293, 1.2043



# Previews

## White Background



This preview shows how the XYZ color 43.1598, 24.6445, 33.0539 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

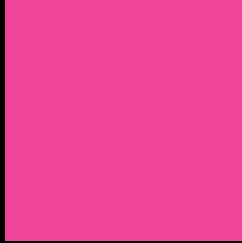
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 43.1598, 24.6445, 33.0539 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

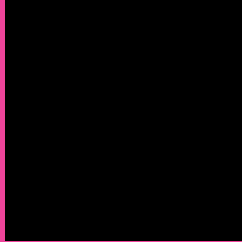
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 43.1598, 24.6445, 33.0539**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.1598, 24.6445, 33.0539.



This preview shows how white text looks on a background with the XYZ color 43.1598, 24.6445,



# 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

43.1598, 24.6445, 33.0539

### Protanopia

26.0364, 24.8867, 57.4642

### Deuteranopia

25.2162, 24.6579, 30.2185



## Tritanopia

38.6982, 24.5588, 12.3736

# Trichromacy



## Original Color

43.1598, 24.6445, 33.0539



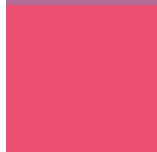
## Protanomaly

28.6204, 22.0443, 47.5463



## Deuteranomaly

29.4043, 22.6591, 30.8408



## Tritanomaly

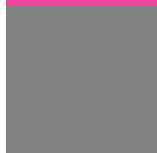
40.0376, 24.4464, 18.2312

# Monochromacy



## Original Color

43.1598, 24.6445, 33.0539



## Achromatopsia

20.8660, 21.9526, 23.9064



## Achromatomaly

26.2073, 20.7854, 26.6755

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.1598, 24.6445, 33.0539 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(238, 68, 154)` looks like.

```
.text, #text, p{  
    color:rgb(238, 68, 154)  
}
```

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(238, 68, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 68, 154) }
```

## Border

The CSS property to change the border of an element to XYZ 43.1598, 24.6445, 33.0539 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(238, 68, 154) }
```



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

```
.border{ border-color:rgb(238, 68, 154) }
```

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

Here you see how a box with a 4 pixel rgb(238, 68, 154) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 68, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 68, 154);  
box-shadow:4px 4px 4px 4px rgb(238, 68,  
154) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.1598, 24.6445, 33.0539 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 68, 154) }
```

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

```
.background{ background-color: rgb(238, 68,  
154) }
```

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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