

# Converting Colors

XYZ(45.1250, 30.0134, 31.6178)

Have a look what the booklet for  
XYZ(45.1250, 30.0134, 31.6178)  
contains.

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# Color

**XYZ(45.2207, 30.0433,  
31.4325)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	ED6894
RGB	237, 104, 148
RGB Percent	93%, 41%, 58%
CMY	0.0706, 0.5921, 0.4196
CMYK	0.00, 0.56, 0.38, 0.07
HSL	340°, 79%, 67%
HSV	340°, 56%, 93%
XYZ	45.2207, 30.0433, 31.4325
YIQ	148.7830, 65.1440, 41.8800

# Conversions

## Conversions Part 2

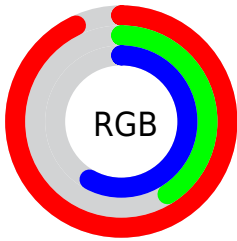
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	237, 104, 148
Decimal	15558804
CIE Lab	61.69, 55.46, 1.77
CIE LCh	62, 55.485, 1.828
Yxy	30.0433, 0.4238, 0.2816
Android (android.graphics.Color)	4293748884 (0xFFED6894)
YUV	148.7830, -0.3860, 77.3663
Hunter-Lab	54.8118, 51.3451, 4.3676

# Details

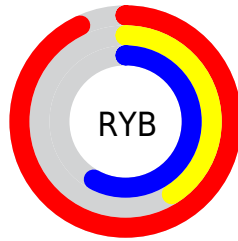
The XYZ color **45.2207, 30.0433, 31.4325** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **45.6205, 67.3625, 61.0541**, and the grayscale version is **28.4594, 29.9415, 32.6063**.

A 20% lighter version of the original color is **64.4715, 50.6659, 62.2586**, and **21.3526, 12.2620, 12.7967** is the 20% darker color. If you saturate the color by 10%, you get **41.9908, 25.4568, 24.5807**, and if you desaturate by 10%, it is **49.2945, 36.0421, 39.4148**.

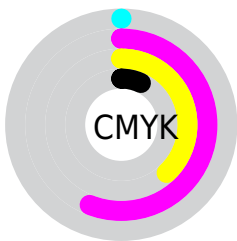
# Distribution



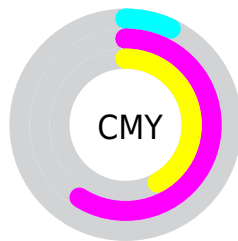
- Red (93%)
- Green (41%)
- Blue (58%)



- Red (93%)
- Yellow (41%)
- Blue (58%)



- Cyan (0%)
- Magenta (56%)
- Yellow (38%)
- Black (7%)



- Cyan (7%)
- Magenta (59%)
- Yellow (42%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.2207, 30.0433, 31.4325 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 45.2207, 30.0433, 31.4325 by changing the saturation by 10% instead.





 45.2207, 30.0433,  
31.4325

 45.2207, 30.0433,  
31.4325

358.4353,  
302.1062, 322.9386


 31.8333, 19.8715,  
20.6672


 82.2865, 59.7306,  
63.0079

 21.3891, 12.3016,  
12.6921


 106.6957, 80.0149,  
84.6551

 13.5228, 6.9495,  
7.0886


 135.5095,  
104.4388, 110.7666

 7.8690, 3.4305,  
3.4383

 169.0932,  
133.3867, 141.7610

 4.0623, 1.3604,  
1.3226

207.8124,  
167.2430, 178.0569

 1.7375, 0.1873,  
0.0802

252.0322,

 0.4796, 0.0000,

206.3921, 220.0728

0.0000

302.1181,  
251.2184, 268.2272

■ 0.0000, 0.0000,  
0.0000

■ 45.2207, 30.0433,  
31.4325

■ 45.2207, 30.0433,  
31.4325

■ 41.9908, 25.4568,  
24.5807

■ 49.2945, 36.0421,  
39.4148

■ 39.5376, 22.1596,  
18.8020

■ 54.2673, 43.5532,  
48.5776

■ 37.7870, 20.0154,  
14.0352

■ 60.1922, 52.6729,  
58.9694

■ 36.6473, 18.8533,  
10.2105

■ 67.1176, 63.4883,  
70.6356

■ 36.3145, 18.5603,  
8.9513

■ 75.0883, 76.0800,  
83.6189

■ 84.1462, 90.5234,  
97.9601

■ 88.7351, 96.7445,  
108.6045

# Harmonies

## Analogous

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



42.9839, 30.0433, 55.9014



45.2207, 30.0433, 31.4325



42.3920, 30.0433, 15.6166

# Triad

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



45.2207, 30.0433, 31.4325



21.7050, 30.0433, 8.9036



22.3646, 30.0433, 83.2233

# Complementary

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



45.2207, 30.0433, 31.4325



45.6205, 67.3625, 61.0541

# 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.



18.1138, 30.0433, 59.1733



45.2207, 30.0433, 31.4325



17.7816, 30.0433, 17.0289

# Square

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



45.2207, 30.0433, 31.4325



28.1049, 30.0433, 6.5824



16.5884, 30.0433, 34.0259



29.0104, 30.0433, 92.4829



# Rectangle

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



45.2207, 30.0433, 31.4325



38.2562, 30.0433, 10.0319



16.5884, 30.0433, 34.0259



20.6508, 30.0433, 76.2051

# Sweetspot

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



45.2215, 30.0449, 31.4330



78.4222, 73.6626, 82.0292



42.1453, 27.3107, 83.1710



16.4167, 15.1886, 16.9428



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.



45.2215, 30.0449, 31.4330



49.2049, 29.5371, 28.1770



44.9072, 33.9702, 17.2888



15.2709, 15.1362, 16.7121



19.8805, 10.1549, 5.1720



1.6041, 0.8146, 0.6328



# Inverse Universe

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



45.2215, 30.0449, 31.4330



49.2049, 29.5371, 28.1770



45.2543, 57.5747, 88.8487



15.2709, 15.1362, 16.7121



19.8805, 10.1549, 5.1720



1.6041, 0.8146, 0.6328



# Previews

## White Background



This preview shows how the XYZ color 45.2207, 30.0433, 31.4325 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

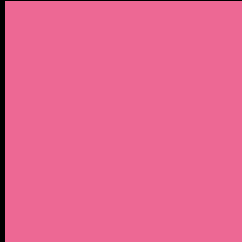
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 45.2207, 30.0433, 31.4325 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

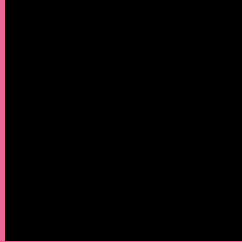
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 45.2207, 30.0433, 31.4325**

## **Background**



This preview shows how black text looks on a background with the XYZ color 45.2207, 30.0433, 31.4325.



This preview shows how white text looks on a background with the XYZ color 45.2207, 30.0433,

31.4325.

# 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

45.2207, 30.0433, 31.4325

### Protanopia

29.8294, 30.2042, 44.8153

### Deuteranopia

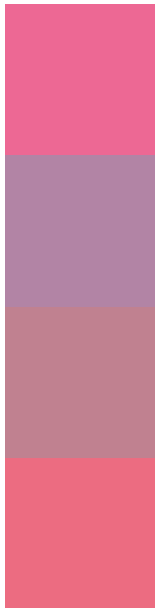
30.7921, 30.1150, 29.7810



## Tritanopia

43.1069, 30.1220, 20.6817

# Trichromacy



## Original Color

45.2207, 30.0433, 31.4325

## Protanomaly

33.4029, 28.6841, 39.3734

## Deuteranomaly

34.6225, 28.9206, 30.1430

## Tritanomaly

43.9171, 30.1430, 24.2724

# Monochromacy



## Original Color

45.2207, 30.0433, 31.4325

## Achromatopsia

28.5667, 30.0544, 32.7292

## Achromatomaly

32.8684, 28.7687, 32.2543

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.2207, 30.0433, 31.4325 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, 104, 148)` looks like.

```
.text, #text, p{  
    color:rgb(237, 104, 148)  
}
```

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, 104, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 104, 148) }
```

## Border

The CSS property to change the border of an element to XYZ 45.2207, 30.0433, 31.4325 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, 104, 148) }
```



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

```
.border{ border-color:rgb(237, 104, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 104, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 104, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 104, 148);  
box-shadow:4px 4px 4px 4px rgb(237, 104,  
148) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.2207, 30.0433, 31.4325 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 104, 148) }
```

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

```
.background{ background-color: rgb(237,  
104, 148) }
```

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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