

# Converting Colors

XYZ(44.7956, 29.3617, 32.1554)

Have a look what the booklet for  
XYZ(44.7956, 29.3617, 32.1554)  
contains.

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# Color

**XYZ(44.7508, 29.3422,  
32.1592)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	EC6596
RGB	236, 101, 150
RGB Percent	93%, 40%, 59%
CMY	0.0745, 0.6039, 0.4118
CMYK	0.00, 0.57, 0.36, 0.07
HSL	338°, 78%, 66%
HSV	338°, 57%, 93%
XYZ	44.7508, 29.3422, 32.1592
YIQ	146.9510, 64.7310, 43.8590

# Conversions

## Conversions Part 2

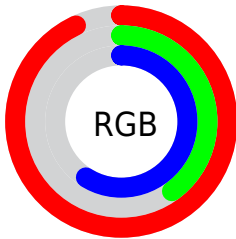
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	236, 101, 150
Decimal	15492502
CIE Lab	61.08, 56.73, -0.29
CIE LCh	61, 56.726, 359.706
Yxy	29.3422, 0.4212, 0.2762
Android (android.graphics.Color)	4293682582 (0xFFEC6596)
YUV	146.9510, 1.5032, 78.0960
Hunter-Lab	54.1684, 52.6715, 2.7181

# Details

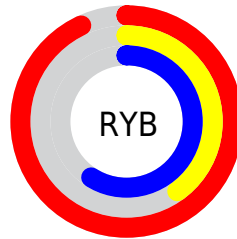
The XYZ color **44.7508, 29.3422, 32.1592** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **44.3335, 66.3463, 57.4870**, and the grayscale version is **27.6892, 29.1312, 31.7239**.

A 20% lighter version of the original color is **64.1961, 49.7336, 63.3428**, and **21.0205, 11.8587, 12.9854** is the 20% darker color. If you saturate the color by 10%, you get **41.6454, 24.9462, 25.5293**, and if you desaturate by 10%, it is **48.6709, 35.1188, 39.8277**.

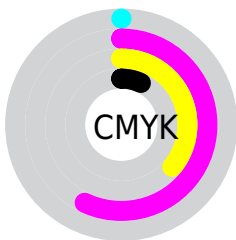
# Distribution



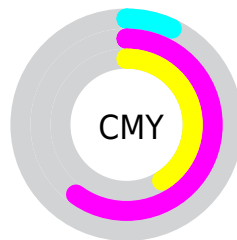
- Red (93%)
- Green (40%)
- Blue (59%)



- Red (93%)
- Yellow (40%)
- Blue (59%)



- Cyan (0%)
- Magenta (57%)
- Yellow (36%)
- Black (7%)



- Cyan (7%)
- Magenta (60%)
- Yellow (41%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.7508, 29.3422, 32.1592 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 44.7508, 29.3422, 32.1592 by changing the saturation by 10% instead.



44.7508, 29.3422,  
32.1592

44.7508, 29.3422,  
32.1592

356.5641,  
298.8261, 326.3589

31.4616, 19.3398,  
21.2173

81.5857, 58.6203,  
64.1614

21.1042, 11.9161,  
13.0901

105.8621, 78.6649,  
86.0588

13.3131, 6.6866,  
7.3592

134.5317,  
102.8257, 112.4450

7.7230, 3.2669,  
3.6059

167.9598,  
131.4870, 143.7387

3.9685, 1.2726,  
1.4117

206.5117,  
165.0333, 180.3584

1.6843, 0.1198,  
0.1508

250.5528,

0.4464, 0.0000,

203.8490, 222.7227

0.0000

300.4485,  
248.3185, 271.2500

■ 0.0000, 0.0000,  
0.0000

■ 44.7508, 29.3422,  
32.1592

■ 44.7508, 29.3422,  
32.1592

■ 41.6454, 24.9462,  
25.5293

■ 48.6709, 35.1188,  
39.8277

■ 39.2883, 21.8077,  
19.8860

■ 53.4600, 42.3760,  
48.5793

■ 37.6061, 19.7898,  
15.1745

■ 59.1702, 51.2096,  
58.4579

■ 36.5034, 18.7122,  
11.3299

■ 65.8490, 61.7061,  
69.5040

■ 36.2579, 18.4992,  
10.3905

■ 73.5401, 73.9456,  
81.7561

■ 82.2847, 88.0031,  
95.2508

■ 88.4021, 96.5729,  
108.5889

# Harmonies

## Analogous

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



42.1304, 29.3422, 57.3474



44.7508, 29.3422, 32.1592



42.2271, 29.3422, 15.6616

# Triad

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



44.7508, 29.3422, 32.1592



21.3922, 29.3422, 7.9607



21.2859, 29.3422, 81.8897

# Complementary

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



44.7508, 29.3422, 32.1592



44.3335, 66.3463, 57.4870

# 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.



17.2306, 29.3422, 56.8117



44.7508, 29.3422, 32.1592



17.2838, 29.3422, 15.4364

# Square

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



44.7508, 29.3422, 32.1592



27.9623, 29.3422, 6.0161



15.9045, 29.3422, 31.7391



27.8156, 29.3422, 92.8034



# Rectangle

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



44.7508, 29.3422, 32.1592



38.1844, 29.3422, 9.8014



15.9045, 29.3422, 31.7391



19.6333, 29.3422, 74.4129

# Sweetspot

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



44.7516, 29.3437, 32.1597



78.6142, 73.7394, 83.0403



40.1668, 25.8671, 82.2328



16.4617, 15.2066, 17.1801



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.



44.7516, 29.3437, 32.1597



48.9906, 28.8396, 28.9346



43.5390, 31.9678, 16.1895



15.2914, 15.1444, 16.8198



20.0426, 10.2197, 6.0256



1.6186, 0.8204, 0.7088



# Inverse Universe

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



44.7516, 29.3437, 32.1597



48.9906, 28.8396, 28.9346



45.5797, 58.9667, 88.3364



15.2914, 15.1444, 16.8198



20.0426, 10.2197, 6.0256



1.6186, 0.8204, 0.7088



# Previews

## White Background



This preview shows how the XYZ color 44.7508, 29.3422, 32.1592 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

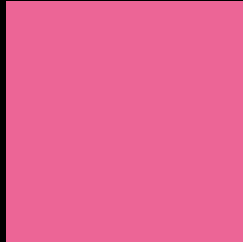
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 44.7508, 29.3422, 32.1592 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 44.7508, 29.3422, 32.1592**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.7508, 29.3422, 32.1592.



This preview shows how white text looks on a background with the XYZ color 44.7508, 29.3422,



# 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

44.7508, 29.3422, 32.1592

### Protanopia

29.4541, 29.7445, 46.3083

### Deuteranopia

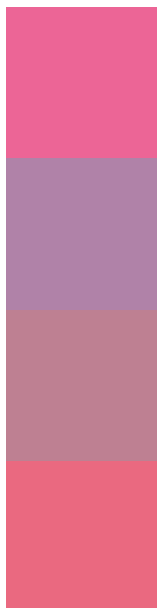
30.0902, 29.5206, 30.0987



## Tritanopia

42.0613, 29.2866, 19.6557

# Trichromacy



## Original Color

44.7508, 29.3422, 32.1592

## Protanomaly

32.9550, 28.0225, 40.7178

## Deuteranomaly

34.1427, 28.4608, 30.8881

## Tritanomaly

42.8795, 29.1541, 23.7894

# Monochromacy



## Original Color

44.7508, 29.3422, 32.1592

## Achromatopsia

27.7328, 29.1771, 31.7738

## Achromatomaly

31.9183, 27.6871, 31.6788

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.7508, 29.3422, 32.1592 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(236, 101, 150)` looks like.

```
.text, #text, p{  
    color:rgb(236, 101, 150)  
}
```

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(236, 101, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 101, 150) }
```

## Border

The CSS property to change the border of an element to XYZ 44.7508, 29.3422, 32.1592 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(236, 101, 150) }
```



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

```
.border{ border-color:rgb(236, 101, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 101, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 101, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 101, 150);  
box-shadow:4px 4px 4px 4px rgb(236, 101,  
150) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.7508, 29.3422, 32.1592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 101, 150) }
```

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

```
.background{ background-color: rgb(236,  
101, 150) }
```

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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