

Converting Colors

XYZ(45.7463, 29.8176, 33.9161)

Have a look what the booklet for
XYZ(45.7463, 29.8176, 33.9161)
contains.

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Color

**XYZ(45.7463, 29.8176,
33.9161)**

Conversions

Conversions Part 1

Format	Color
Hex	EE659A
RGB	238, 101, 154
RGB Percent	93%, 40%, 60%
CMY	0.0667, 0.6039, 0.3961
CMYK	0.00, 0.58, 0.35, 0.07
HSL	337°, 80%, 66%
HSV	337°, 58%, 93%
XYZ	45.7463, 29.8176, 33.9161
YIQ	148.0050, 64.6390, 45.5270

Conversions

Conversions Part 2

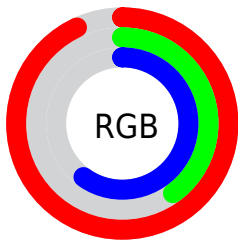
Format	Color
R _Y B	238, 101, 154
Decimal	15623578
CIE Lab	61.50, 57.80, -1.96
CIE LCh	61, 57.837, 358.058
Yxy	29.8176, 0.4179, 0.2724
Android (android.graphics.Color)	4293813658 (0xFFEE659A)
YUV	148.0050, 2.9555, 78.9256
Hunter-Lab	54.6055, 53.9805, 1.3981

Details

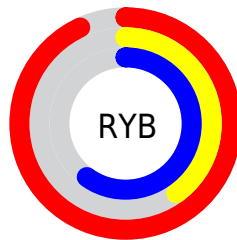
The XYZ color **45.7463, 29.8176, 33.9161** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **44.7000, 67.4193, 56.5603**, and the grayscale version is **28.1207, 29.5852, 32.2183**.

A 20% lighter version of the original color is **64.6821, 49.9280, 65.9025**, and **21.6722, 12.1720, 14.0391** is the 20% darker color. If you saturate the color by 10%, you get **42.6184, 25.3900, 27.2369**, and if you desaturate by 10%, it is **49.6926, 35.6451, 41.5977**.

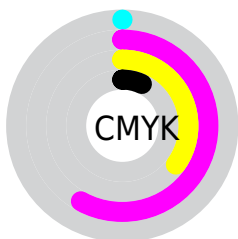
Distribution



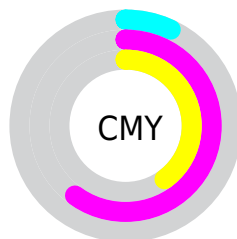
- Red (93%)
- Green (40%)
- Blue (60%)



- Red (93%)
- Yellow (40%)
- Blue (60%)



- Cyan (0%)
- Magenta (58%)
- Yellow (35%)
- Black (7%)





- Cyan (7%)
- Magenta (60%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.7463, 29.8176, 33.9161 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 45.7463, 29.8176, 33.9161 by changing the saturation by 10% instead.


 45.7463, 29.8176,
33.9161


 45.7463, 29.8176,
33.9161


360.5208,
301.0533, 334.5155


 32.2494, 19.7002,
22.5523


 83.0694, 59.3736,
66.9356


 21.7086, 12.1773,
14.0611


 107.6263, 79.5810,
89.4284

 13.7583, 6.8645,
8.0239


 136.6006,
103.9205, 116.4679

 8.0333, 3.3775,
4.0223

 170.3577,
132.7765, 148.4727

 4.1683, 1.3319,
1.6376

209.2629,
166.5333, 185.8613

 1.7978, 0.1657,
0.3174

253.6816,

 0.5163, 0.0000,

205.5755, 229.0523

0.0000

303.9791,
250.2874, 278.4642

■ 0.0000, 0.0000,
0.0000

■ 45.7463, 29.8176,
33.9161

■ 45.7463, 29.8176,
33.9161

■ 42.6184, 25.3900,
27.2369

■ 49.6926, 35.6451,
41.5977

■ 40.2415, 22.2366,
21.5108

■ 54.5122, 42.9749,
50.3240

■ 38.5408, 20.2166,
16.6857

■ 60.2580, 51.9048,
60.1364

■ 37.4171, 19.1409,
12.6989

■ 66.9777, 62.5232,
71.0733

■ 37.1945, 18.9510,
11.8378

■ 74.7158, 74.9119,
83.1712

■ 83.5140, 89.1474,
96.4648

■ 89.0699, 96.9171,
108.6201

Harmonies

Analogous

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



42.7582, 29.8176, 60.2698



45.7463, 29.8176, 33.9161



43.4178, 29.8176, 16.3991

Triad

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



45.7463, 29.8176, 33.9161



21.9650, 29.8176, 7.6634



21.2440, 29.8176, 82.9935

Complementary

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



45.7463, 29.8176, 33.9161



44.7000, 67.4193, 56.5603

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.



17.2336, 29.8176, 56.6087



45.7463, 29.8176, 33.9161



17.5941, 29.8176, 14.8791

Square

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



45.7463, 29.8176, 33.9161



28.8425, 29.8176, 5.9302



16.0271, 29.8176, 31.0584



27.8448, 29.8176, 95.4598

Rectangle

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



45.7463, 29.8176, 33.9161



39.3627, 29.8176, 10.1198



16.0271, 29.8176, 31.0584



19.5962, 29.8176, 75.0068

Sweetspot

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



45.7471, 29.8191, 33.9166



78.7579, 73.7969, 83.7974



39.6639, 25.5741, 83.7347



16.4955, 15.2201, 17.3580



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.



45.7471, 29.8191, 33.9166



49.3149, 28.9693, 30.6427



43.7066, 31.3117, 16.0541



16.0259, 15.8601, 17.6926



20.8095, 10.5962, 6.9134



1.7784, 0.9004, 0.8241

Inverse Universe

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



45.7471, 29.8191, 33.9166



49.3149, 28.9693, 30.6427



47.5369, 62.4133, 90.4305



16.0259, 15.8601, 17.6926



20.8095, 10.5962, 6.9134



1.7784, 0.9004, 0.8241

Previews

White Background



This preview shows how the XYZ color 45.7463, 29.8176, 33.9161 looks on a white background.

Color Contrast Check

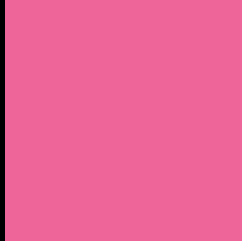
Large Text (above 18pt) WCAG AA ✓ Pass

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 45.7463, 29.8176, 33.9161 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

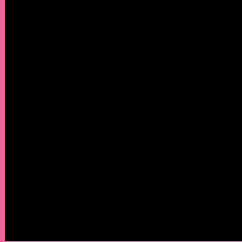
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 45.7463, 29.8176, 33.9161

Background



This preview shows how black text looks on a background with the XYZ color 45.7463, 29.8176, 33.9161.



This preview shows how white text looks on a background with the XYZ color 45.7463, 29.8176,

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

45.7463, 29.8176, 33.9161

Protanopia

30.1217, 30.2614, 49.0532

Deuteranopia

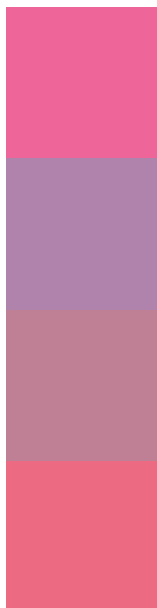
30.5496, 29.9456, 31.7737



Tritanopia

42.8820, 29.8604, 20.0265

Trichromacy



Original Color

45.7463, 29.8176, 33.9161

Protanomaly

33.4672, 28.4413, 42.7555

Deuteranomaly

34.7100, 28.7167, 32.5676

Tritanomaly

43.7754, 29.7526, 24.5547

Monochromacy



Original Color

45.7463, 29.8176, 33.9161

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

32.6774, 28.2584, 32.5863

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.7463, 29.8176, 33.9161 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, 101, 154)` looks like.

```
.text, #text, p{  
    color:rgb(238, 101, 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, 101, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 101, 154) }
```

Border

The CSS property to change the border of an element to XYZ 45.7463, 29.8176, 33.9161 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, 101, 154) }
```


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

```
.border{ border-color:rgb(238, 101, 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, 101, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 101, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 101, 154);  
box-shadow:4px 4px 4px 4px rgb(238, 101,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 45.7463, 29.8176, 33.9161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 101, 154) }
```

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

```
.background{ background-color: rgb(238,  
101, 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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