

Converting Colors

XYZ(46.8731, 30.7677, 39.6917)

Have a look what the booklet for
XYZ(46.8731, 30.7677, 39.6917)
contains.

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Color

**XYZ(46.7583, 30.6583,
39.5296)**

Conversions

Conversions Part 1

Format	Color
Hex	ED68A6
RGB	237, 104, 166
RGB Percent	93%, 41%, 65%
CMY	0.0706, 0.5921, 0.3490
CMYK	0.00, 0.56, 0.30, 0.07
HSL	332°, 79%, 67%
HSV	332°, 56%, 93%
XYZ	46.7583, 30.6583, 39.5296
YIQ	150.8350, 59.3660, 47.4780

Conversions

Conversions Part 2

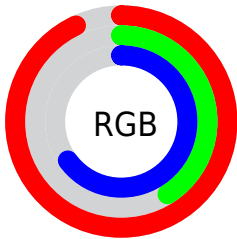
Format	Color
R _Y B	237, 104, 166
Decimal	15558822
CIE Lab	62.22, 57.56, -7.82
CIE LCh	62, 58.090, 352.266
Yxy	30.6583, 0.3998, 0.2622
Android (android.graphics.Color)	4293748902 (0xFFED68A6)
YUV	150.8350, 7.4763, 75.5667
Hunter-Lab	55.3699, 53.8407, -3.5692

Details

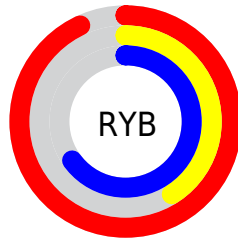
The XYZ color **46.7583, 30.6583, 39.5296** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **43.7326, 66.6074, 51.1126**, and the grayscale version is **29.2973, 30.8230, 33.5663**.

A 20% lighter version of the original color is **66.8620, 51.6221, 74.8467**, and **22.4139, 12.7129, 17.1921** is the 20% darker color. If you saturate the color by 10%, you get **43.5949, 26.0984, 33.0278**, and if you desaturate by 10%, it is **50.7078, 36.6073, 46.8575**.

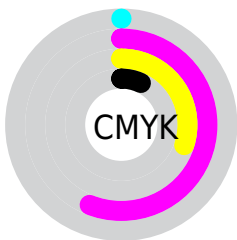
Distribution



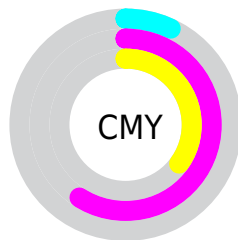
- Red (93%)
- Green (41%)
- Blue (65%)



- Red (93%)
- Yellow (41%)
- Blue (65%)



- Cyan (0%)
- Magenta (56%)
- Yellow (30%)
- Black (7%)





- Cyan (7%)
- Magenta (59%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.7583, 30.6583, 39.5296 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 46.7583, 30.6583, 39.5296 by changing the saturation by 10% instead.


 46.7583, 30.6583,
39.5296


 46.7583, 30.6583,
39.5296


364.5140,
304.9610, 359.6299

 33.0518, 20.3388,
26.8610


 84.5737, 60.7017,
75.6759


 22.3255, 12.6416,
17.2373


 109.4132, 81.1944,
99.9907

 14.2142, 7.1822,
10.2401


 138.6945,
105.8469, 129.0246

 8.3525, 3.5763,
5.4508

 172.7828,
135.0437, 163.1961

 4.3750, 1.4395,
2.4508

212.0436,
169.1691, 202.9239

 1.9164, 0.2456,
0.8139

256.8421,

 0.5863, 0.0000,

208.6075, 248.6264

0.0000

307.5438,
253.7433, 300.7222

■ 0.0000, 0.0000,
0.0000

■ 46.7583, 30.6583,
39.5296

■ 46.7583, 30.6583,
39.5296

■ 43.5949, 26.0984,
33.0278

■ 50.7078, 36.6073,
46.8575

■ 41.1540, 22.8062,
27.3137

■ 55.4951, 44.0442,
55.0432

■ 39.3656, 20.6468,
22.3474

■ 61.1701, 53.0639,
64.1188

■ 38.1421, 19.4513,
18.0819

■ 67.7781, 63.7523,
74.1136

■ 37.7656, 19.1407,
16.5920

■ 75.3610, 76.1889,
85.0555

■ 83.9584, 90.4481,
96.9711

■ 88.6657, 96.7168,
108.2386

■ 88.7351, 96.7446,
108.6045

Harmonies

Analogous

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



42.7489, 30.6583, 67.3522



46.7583, 30.6583, 39.5296



45.4197, 30.6583, 19.5591

Triad

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



46.7583, 30.6583, 39.5296



23.7970, 30.6583, 7.2600



20.8596, 30.6583, 80.4390

Complementary

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



46.7583, 30.6583, 39.5296



43.7326, 66.6074, 51.1126

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.



17.3052, 30.6583, 52.5398



46.7583, 30.6583, 39.5296



18.7771, 30.6583, 13.3298

Square

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



46.7583, 30.6583, 39.5296



31.2141, 30.6583, 6.2858



16.6177, 30.6583, 27.9067



27.1595, 30.6583, 96.9671

Rectangle

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



46.7583, 30.6583, 39.5296



41.7679, 30.6583, 11.9623



16.6177, 30.6583, 27.9067



19.3541, 30.6583, 71.6119

Sweetspot

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



46.7592, 30.6599, 39.5302



79.2413, 73.9902, 86.3427



37.9022, 25.1232, 82.9726



16.6092, 15.2656, 17.9569



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.



46.7592, 30.6599, 39.5302



51.1039, 30.2967, 38.1770



42.8333, 29.8224, 16.5974



15.3577, 15.1709, 17.1687



20.6835, 10.4761, 9.4007



1.6723, 0.8419, 0.9919

Inverse Universe

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



46.7592, 30.6599, 39.5302



51.1039, 30.2967, 38.1770



50.0124, 67.0910, 90.4349



15.3577, 15.1709, 17.1687



20.6835, 10.4761, 9.4007



1.6723, 0.8419, 0.9919

Previews

White Background



This preview shows how the XYZ color 46.7583, 30.6583, 39.5296 looks on a white background.

Color Contrast Check

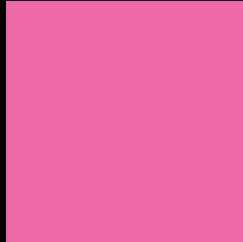
Large Text (above 18pt) WCAG AA × Fail

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 46.7583, 30.6583, 39.5296 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 46.7583, 30.6583, 39.5296

Background



This preview shows how black text looks on a background with the XYZ color 46.7583, 30.6583, 39.5296.



This preview shows how white text looks on a background with the XYZ color 46.7583, 30.6583,

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

46.7583, 30.6583, 39.5296

Protanopia

31.1925, 30.8837, 56.5417

Deuteranopia

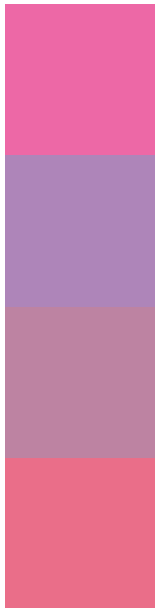
31.4372, 30.7424, 37.0778



Tritanopia

42.9606, 30.5144, 21.7147

Trichromacy



Original Color

46.7583, 30.6583, 39.5296

Protanomaly

34.6000, 29.2765, 49.7263

Deuteranomaly

35.6242, 29.6601, 38.0298

Tritanomaly

44.0230, 30.4504, 27.2242

Monochromacy



Original Color

46.7583, 30.6583, 39.5296

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

33.8173, 29.3956, 35.3440

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.7583, 30.6583, 39.5296 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, 166)` looks like.

```
.text, #text, p{  
    color:rgb(237, 104, 166)  
}
```

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, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 104, 166) }
```

Border

The CSS property to change the border of an element to XYZ 46.7583, 30.6583, 39.5296 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, 166) }
```


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

```
.border{ border-color:rgb(237, 104, 166) }
```

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, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 104, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 104, 166);  
box-shadow:4px 4px 4px 4px rgb(237, 104,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 46.7583, 30.6583, 39.5296 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, 166) }
```

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

```
.background{ background-color: rgb(237,  
104, 166) }
```

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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