

Converting Colors

XYZ(46.4705, 27.6110, 46.2276)

Have a look what the booklet for
XYZ(46.4705, 27.6110, 46.2276)
contains.

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Color

**XYZ(46.5914, 27.6589,
46.0631)**

Conversions

Conversions Part 1

Format	Color
Hex	EE53B4
RGB	238, 83, 180
RGB Percent	93%, 33%, 71%
CMY	0.0667, 0.6745, 0.2941
CMYK	0.00, 0.65, 0.24, 0.07
HSL	322°, 82%, 63%
HSV	322°, 65%, 93%
XYZ	46.5914, 27.6589, 46.0631
YIQ	140.4030, 61.2430, 63.0270

Conversions

Conversions Part 2

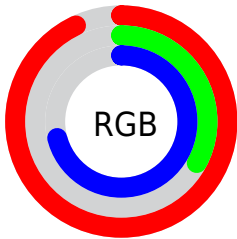
Format	Color
R _Y B	238, 83, 180
Decimal	15618996
CIE Lab	59.58, 68.47, -19.83
CIE LCh	60, 71.280, 343.847
Yxy	27.6589, 0.3873, 0.2299
Android (android.graphics.Color)	4293809076 (0xFFEE53B4)
YUV	140.4030, 19.5213, 85.5926
Hunter-Lab	52.5917, 66.0989, -15.1157

Details

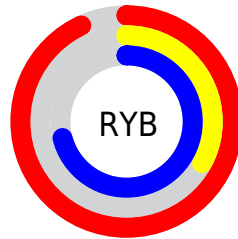
The XYZ color **46.5914, 27.6589, 46.0631** is a light color, and the websafe version is hex **FF66CC**. The color can be described as light muted rose. A complement of this color would be **38.9510, 64.9121, 35.6788**, and the grayscale version is **24.9950, 26.2966, 28.6370**.

A 20% lighter version of the original color is **65.9052, 46.3659, 84.8328**, and **22.1909, 10.9973, 21.0318** is the 20% darker color. If you saturate the color by 10%, you get **44.1945, 24.2705, 40.9306**, and if you desaturate by 10%, it is **49.6730, 32.3228, 51.7120**.

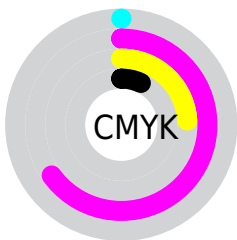
Distribution



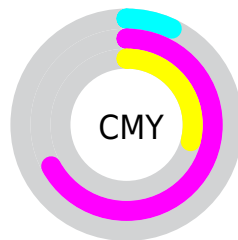
- Red (93%)
- Green (33%)
- Blue (71%)



- Red (93%)
- Yellow (33%)
- Blue (71%)



- Cyan (0%)
- Magenta (65%)
- Yellow (24%)
- Black (7%)




- Cyan (7%)
- Magenta (67%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.5914, 27.6589, 46.0631 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 46.5914, 27.6589, 46.0631 by changing the saturation by 10% instead.


 46.5914, 27.6589,
46.0631


 46.5914, 27.6589,
46.0631

363.8574,
290.8334, 387.3472

 32.9193, 18.0687,
31.9466


 84.3258, 55.9394,
85.6487


 22.2236, 10.9993,
21.0562


 109.1190, 75.3985,
111.9549

 14.1388, 6.0664,
12.9735


 138.3498, 98.9160,
143.1614

 8.2996, 2.8855,
7.2798

 172.3837,
126.8763, 179.6867

 4.3407, 1.0722,
3.5566

211.5861,
159.6638, 221.9494

 1.8966, 0.0000,
1.3854

256.3223,

 0.5749, 0.0000,

197.6629, 270.3680

0.1303

306.9576,
241.2579, 325.3611

■ 0.0000, 0.0000,
0.0000

■ 46.5914, 27.6589,
46.0631

■ 46.5914, 27.6589,
46.0631

■ 44.1945, 24.2705,
40.9306

■ 49.6730, 32.3228,
51.7120

■ 42.4115, 22.0188,
36.2848

■ 53.4954, 38.3734,
57.9004


■ 41.1599, 20.7400,
32.0930


■ 58.1114, 45.9147,
64.6514


■ 40.6800, 20.3452,
30.1907


■ 63.5683, 55.0395,
71.9856

■ 69.9094, 65.8330,
79.9222

 77.1751, 78.3741,
88.4795

 85.4030, 92.7369,
97.6747

 88.4722, 96.6781,
105.4719

 89.0701, 96.9173,
108.6201

Harmonies

Analogous

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



40.1464, 27.6589, 81.6667



46.5914, 27.6589, 46.0631



46.8551, 27.6589, 19.7689

Triad

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



46.5914, 27.6589, 46.0631



22.3715, 27.6589, 3.1047



15.7044, 27.6589, 78.9625

Complementary

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



46.5914, 27.6589, 46.0631



38.9510, 64.9121, 35.6788

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.



12.8416, 27.6589, 43.5597



46.5914, 27.6589, 46.0631



16.0553, 27.6589, 6.6857

Square

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



46.5914, 27.6589, 46.0631



31.3878, 27.6589, 3.2192



12.9534, 27.6589, 18.3531



21.7745, 27.6589, 106.8942

Rectangle

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



46.5914, 27.6589, 46.0631



43.3828, 27.6589, 10.1244



12.9534, 27.6589, 18.3531



14.4038, 27.6589, 66.8800

Sweetspot

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



46.5923, 27.6603, 46.0636



77.9609, 70.4969, 88.7906



29.3146, 17.9223, 82.8037



16.2478, 14.3435, 18.4502



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.



46.5923, 27.6603, 46.0636



50.9554, 27.4166, 46.0910



40.8361, 25.3579, 15.7522



16.1888, 15.9252, 18.5507



22.7599, 11.3764, 17.1842



1.9414, 0.9656, 1.6825

Inverse Universe

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



46.5923, 27.6603, 46.0636



50.9554, 27.4166, 46.0910



46.7107, 68.0160, 76.5408



16.1888, 15.9252, 18.5507



22.7599, 11.3764, 17.1842



1.9414, 0.9656, 1.6825

Previews

White Background



This preview shows how the XYZ color 46.5914, 27.6589, 46.0631 looks on a white background.

Color Contrast Check

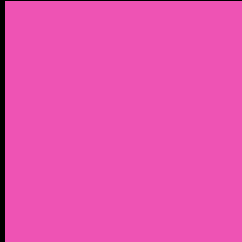
Large Text (above 18pt) WCAG AA ✓ Pass

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 46.5914, 27.6589, 46.0631 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

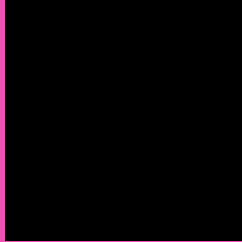
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 46.5914, 27.6589, 46.0631

Background



This preview shows how black text looks on a background with the XYZ color 46.5914, 27.6589, 46.0631.



This preview shows how white text looks on a background with the XYZ color 46.5914, 27.6589,

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

46.5914, 27.6589, 46.0631

Protanopia

29.9189, 28.0090, 74.3504

Deuteranopia

28.3772, 27.9193, 42.4214



Tritanopia

40.6392, 27.5459, 17.3623

Trichromacy



Original Color

46.5914, 27.6589, 46.0631



Protanomaly

32.3997, 25.3579, 62.8614



Deuteranomaly

32.7165, 25.9539, 43.3297



Tritanomaly

42.2375, 27.2191, 25.5819

Monochromacy



Original Color

46.5914, 27.6589, 46.0631



Achromatopsia

24.9269, 26.2251, 28.5591



Achromatomaly

30.4177, 24.7903, 34.1922

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.5914, 27.6589, 46.0631 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, 83, 180)` looks like.

```
.text, #text, p{  
  color:rgb(238, 83, 180)  
}
```

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, 83, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 83, 180) }
```

Border

The CSS property to change the border of an element to XYZ 46.5914, 27.6589, 46.0631 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, 83, 180) }
```


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

```
.border{ border-color:rgb(238, 83, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 83, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 83, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 83, 180);  
box-shadow:4px 4px 4px 4px rgb(238, 83,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 46.5914, 27.6589, 46.0631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 83, 180) }
```

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

```
.background{ background-color: rgb(238, 83,  
180) }
```

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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