

Converting Colors

XYZ(49.4604, 29.5104, 39.4937)

Have a look what the booklet for
XYZ(49.4604, 29.5104, 39.4937)
contains.

XYZ(49.6479, 29.6110, 39.6580)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(49.6479, 29.6110,
39.6580)**

Conversions

Conversions Part 1

Format	Color
Hex	FA55A7
RGB	250, 85, 167
RGB Percent	98%, 33%, 65%
CMY	0.0196, 0.6666, 0.3451
CMYK	0.00, 0.66, 0.33, 0.02
HSL	330°, 94%, 66%
HSV	330°, 66%, 98%
XYZ	49.6479, 29.6110, 39.6580
YIQ	143.6830, 72.0180, 60.4820

Conversions

Conversions Part 2

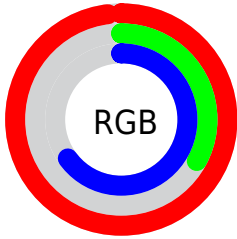
Format	Color
R _Y B	250, 85, 167
Decimal	16405927
CIE Lab	61.32, 69.41, -9.52
CIE LCh	61, 70.065, 352.187
Yxy	29.6110, 0.4175, 0.2490
Android (android.graphics.Color)	4294596007 (0xFFFA55A7)
YUV	143.6830, 11.4953, 93.2400
Hunter-Lab	54.4160, 67.6313, -5.1190

Details

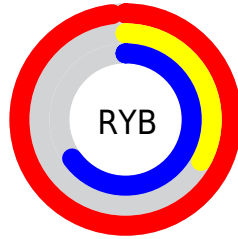
The XYZ color **49.6479, 29.6110, 39.6580** is a light color, and the websafe version is hex **FF3399**. The color can be described as light muted rose. A complement of this color would be **45.0016, 73.1305, 48.7940**, and the grayscale version is **26.3184, 27.6890, 30.1533**.

A 20% lighter version of the original color is **64.3981, 46.4804, 74.6847**, and **24.0808, 12.0566, 17.2776** is the 20% darker color. If you saturate the color by 10%, you get **46.9089, 25.9040, 33.2850**, and if you desaturate by 10%, it is **53.1965, 34.7560, 46.8593**.

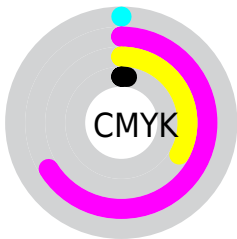
Distribution



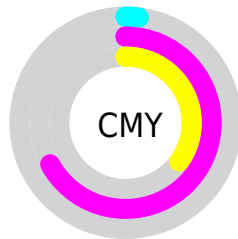
- Red (98%)
- Green (33%)
- Blue (65%)



- Red (98%)
- Yellow (33%)
- Blue (65%)



- Cyan (0%)
- Magenta (66%)
- Yellow (33%)
- Black (2%)





- Cyan (2%)
- Magenta (67%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.6479, 29.6110, 39.6580 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 49.6479, 29.6110, 39.6580 by changing the saturation by 10% instead.


 49.6479, 29.6110,
39.6580


 49.6479, 29.6110,
39.6580


375.7622,
300.0870, 360.1891


 35.3504, 19.5435,
26.9602


 88.8479, 59.0465,
75.8738

 24.1007, 12.0637,
17.3112


 114.4811, 79.1832,
100.2290

 15.5335, 6.7870,
10.2923


 144.6236,
103.4452, 129.3070

 9.2834, 3.3293,
5.4851

 179.6406,
132.2167, 163.5264

 4.9851, 1.3060,
2.4709

219.8977,
165.8823, 203.3058

 2.2732, 0.1458,
0.8247

265.7600,

 0.7809, 0.0000,

204.8263, 249.0637

0.0000

317.5931,
249.4331, 301.2186

■ 0.0000, 0.0000,
0.0000

■ 49.6479, 29.6110,
39.6580

■ 49.6479, 29.6110,
39.6580

■ 46.9089, 25.9040,
33.2850

■ 53.1965, 34.7560,
46.8593

■ 44.8968, 23.4751,
27.6961

■ 57.6211, 41.4672,
54.9254


■ 43.5136, 22.1335,
22.8423

■ 62.9837, 49.8637,
63.8918

■ 43.0774, 21.7852,
21.0817

■ 69.3396, 60.0517,
73.7912

■ 76.7398, 72.1285,
84.6541

 85.2316, 86.1846,
96.5095

 93.2344, 99.0640,
108.8150

Harmonies

Analogous

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



44.6261, 29.6110, 74.5316



49.6479, 29.6110, 39.6580



47.9885, 29.6110, 16.6019

Triad

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



49.6479, 29.6110, 39.6580



21.9592, 29.6110, 4.3610



18.6039, 29.6110, 91.3885

Complementary

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



49.6479, 29.6110, 39.6580



45.0016, 73.1305, 48.7940

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.



14.6998, 29.6110, 55.5014



49.6479, 29.6110, 39.6580



16.3210, 29.6110, 10.0380

Square

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



49.6479, 29.6110, 39.6580



30.6271, 29.6110, 3.5497



13.9668, 29.6110, 25.8123



25.7995, 29.6110, 113.3854

Rectangle

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



49.6479, 29.6110, 39.6580



43.4525, 29.6110, 8.7337



13.9668, 29.6110, 25.8123



16.9341, 29.6110, 79.8493

Sweetspot

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



49.6488, 29.6126, 39.6585



77.0238, 70.1221, 83.8562



36.5478, 21.6712, 92.6993



16.0231, 14.2537, 17.2671



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.



49.6488, 29.6126, 39.6585



48.3427, 26.1784, 32.9283



44.3137, 27.4786, 11.5646



17.6043, 17.3691, 19.7720



22.9221, 11.5846, 11.5643



2.1765, 1.0943, 1.3526

Inverse Universe

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



49.6488, 29.6126, 39.6585



48.3427, 26.1784, 32.9283



55.1882, 77.2052, 102.4360



17.6043, 17.3691, 19.7720



22.9221, 11.5846, 11.5643



2.1765, 1.0943, 1.3526

Previews

White Background



This preview shows how the XYZ color 49.6479, 29.6110, 39.6580 looks on a white background.

Color Contrast Check

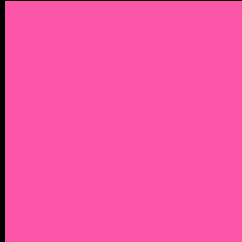
Large Text (above 18pt) WCAG AA ✓ Pass

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 49.6479, 29.6110, 39.6580 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

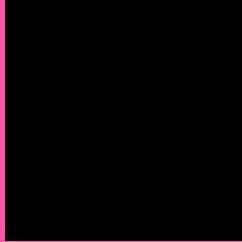
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 49.6479, 29.6110, 39.6580

Background



This preview shows how black text looks on a background with the XYZ color 49.6479, 29.6110, 39.6580.

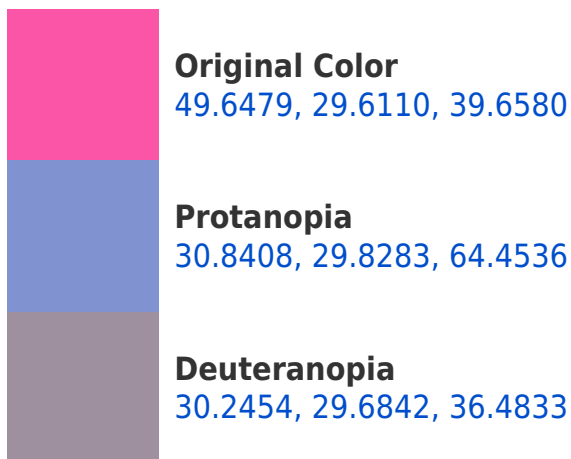


This preview shows how white text looks on a background with the XYZ color 49.6479, 29.6110,

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





Tritanopia

44.8149, 29.5674, 16.9807

Trichromacy



Original Color

49.6479, 29.6110, 39.6580



Protanomaly

34.1788, 27.1946, 54.4866



Deuteranomaly

35.0018, 27.8155, 37.2423



Tritanomaly

46.3463, 29.5171, 23.6767

Monochromacy



Original Color

49.6479, 29.6110, 39.6580



Achromatopsia

26.5089, 27.8894, 30.3716



Achromatomaly

32.2789, 26.5002, 33.1195

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6479, 29.6110, 39.6580 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(250, 85, 167)` looks like.

```
.text, #text, p{  
    color:rgb(250, 85, 167)  
}
```

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(250, 85, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 85, 167) }
```

Border

The CSS property to change the border of an element to XYZ 49.6479, 29.6110, 39.6580 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(250, 85, 167) }
```


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

```
.border{ border-color:rgb(250, 85, 167) }
```

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

Here you see how a box with a 4 pixel rgb(250, 85, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 85, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 85, 167);  
box-shadow:4px 4px 4px 4px rgb(250, 85,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6479, 29.6110, 39.6580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 85, 167) }
```

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

```
.background{ background-color: rgb(250, 85,  
167) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor