

Converting Colors

XYZ(41.6590, 23.8578, 41.8023)

Have a look what the booklet for
XYZ(41.6590, 23.8578, 41.8023)
contains.

XYZ(41.7279, 23.8914, 41.9474)	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(41.7279, 23.8914,
41.9474)**

Conversions

Conversions Part 1

Format	Color
Hex	E446AD
RGB	228, 70, 173
RGB Percent	89%, 27%, 68%
CMY	0.1059, 0.7255, 0.3216
CMYK	0.00, 0.69, 0.24, 0.11
HSL	321°, 75%, 58%
HSV	321°, 69%, 89%
XYZ	41.7279, 23.8914, 41.9474
YIQ	128.9840, 61.1050, 65.5290

Conversions

Conversions Part 2

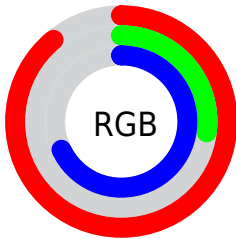
Format	Color
R _{YB}	228, 70, 173
Decimal	14960301
CIE Lab	55.98, 69.76, -21.43
CIE LCh	56, 72.976, 342.926
Yxy	23.8914, 0.3879, 0.2221
Android (android.graphics.Color)	4293150381 (0xFFE446AD)
YUV	128.9840, 21.6999, 86.8370
Hunter-Lab	48.8788, 66.8477, -16.6670

Details

The XYZ color **41.7279, 23.8914, 41.9474** is a light color, and the websafe version is hex **CC3399**. The color can be described as light muted rose. A complement of this color would be **33.9722, 58.2704, 28.8618**, and the grayscale version is **20.7734, 21.8553, 23.8004**.

A 20% lighter version of the original color is **63.3655, 42.8824, 79.0661**, and **19.5386, 9.6809, 18.6081** is the 20% darker color. If you saturate the color by 10%, you get **39.8173, 21.2627, 37.6331**, and if you desaturate by 10%, it is **44.2268, 27.6229, 46.6833**.

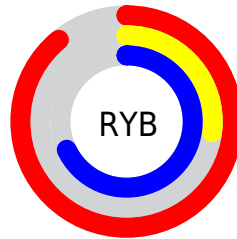
Distribution



Red (89%)

Green (27%)

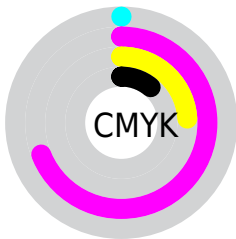
Blue (68%)



Red (89%)

Yellow (27%)

Blue (68%)

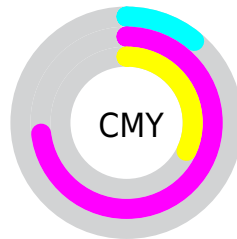


Cyan (0%)

Magenta (69%)

Yellow (24%)

Black (11%)



Cyan (11%)


Magenta (73%)


Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.7279, 23.8914, 41.9474 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 41.7279, 23.8914, 41.9474 by changing the saturation by 10% instead.

 41.7279, 23.8914,
41.9474

 41.7279, 23.8914,
41.9474


344.3646,
272.2710, 370.0581


 29.0785, 15.2531,
28.7348


 77.0554, 49.8529,
79.3892


 19.2848, 8.9972,
18.6365


 100.4642, 67.9449,
104.4556

 11.9815, 4.7394,
11.2338


 128.1901, 89.9569,
134.3103

 6.8032, 2.0952,
6.1081

 160.5986,
116.2733, 169.3719

 3.3845, 0.6619,
2.8411

 198.0549,
147.2786, 210.0590

 1.3602, 0.0000,
1.0141

240.9244,

 0.2276, 0.0000,

183.3570, 256.7900

0.0000

289.5725,
224.8930, 309.9835

■ 0.0000, 0.0000,
0.0000

■ 41.7279, 23.8914,
41.9474

■ 41.7279, 23.8914,
41.9474

■ 39.8173, 21.2627,
37.6331

■ 44.2268, 27.6229,
46.6833

■ 38.4268, 19.6029,
33.7133

■ 47.3672, 32.5635,
51.8618


■ 37.4525, 18.7050,
30.1495


■ 51.1988, 38.8112,
57.5033


■ 37.3903, 18.6522,
29.9083


■ 55.7657, 46.4526,
63.6260

■ 61.1079, 55.5670,
70.2469

 67.2627, 66.2277,
77.3819

 74.2648, 78.5030,
85.0458

 82.1469, 92.4572,
93.2529

 84.1503, 94.5722,
99.7535

Harmonies

Analogous

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



35.4627, 23.8914, 76.1616



41.7279, 23.8914, 41.9474



42.1798, 23.8914, 17.0392

Triad

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



41.7279, 23.8914, 41.9474



19.3089, 23.8914, 2.0234



12.8797, 23.8914, 71.4559

Complementary

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



41.7279, 23.8914, 41.9474



33.9722, 58.2704, 28.8618

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.



10.3972, 23.8914, 37.6889



41.7279, 23.8914, 41.9474



13.4498, 23.8914, 4.8029

Square

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



41.7279, 23.8914, 41.9474



27.7450, 23.8914, 2.1841



10.5765, 23.8914, 14.7324



18.3209, 23.8914, 99.1619

Rectangle

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



41.7279, 23.8914, 41.9474



38.9881, 23.8914, 8.1928



10.5765, 23.8914, 14.7324



11.7389, 23.8914, 59.7807

Sweetspot

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



41.7287, 23.8926, 41.9478



77.4241, 69.3204, 88.9295



24.3160, 14.1697, 74.8526



16.1517, 14.1184, 18.5202



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.



41.7287, 23.8926, 41.9478



50.4901, 26.3627, 46.3161



36.3128, 21.7263, 13.4285



14.7708, 14.5255, 16.9936



21.6485, 10.7936, 17.5756



1.6432, 0.8150, 1.5277

Inverse Universe

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



41.7287, 23.8926, 41.9478



50.4901, 26.3627, 46.3161



40.8914, 61.0381, 65.2979



14.7708, 14.5255, 16.9936



21.6485, 10.7936, 17.5756



1.6432, 0.8150, 1.5277

Previews

White Background



This preview shows how the XYZ color 41.7279, 23.8914, 41.9474 looks on a white background.

Color Contrast Check

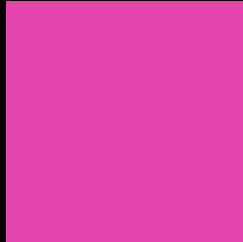
Large Text (above 18pt) WCAG AA ✓ Pass

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 41.7279, 23.8914, 41.9474 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

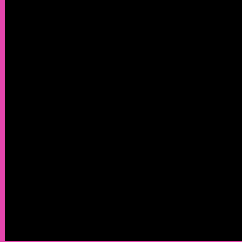
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 41.7279, 23.8914, 41.9474

Background



This preview shows how black text looks on a background with the XYZ color 41.7279, 23.8914, 41.9474.



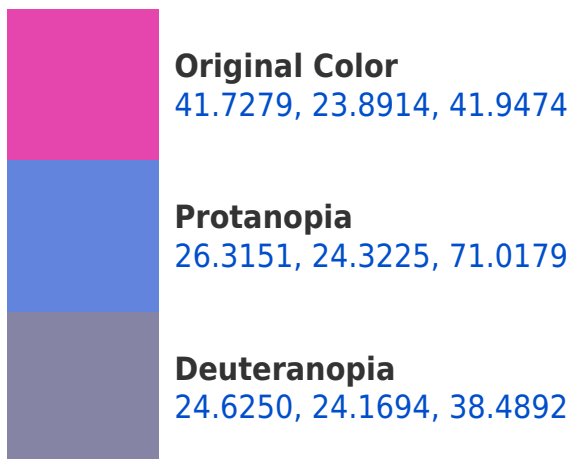
This preview shows how white text looks on a background with the XYZ color 41.7279, 23.8914,

41.9474.

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

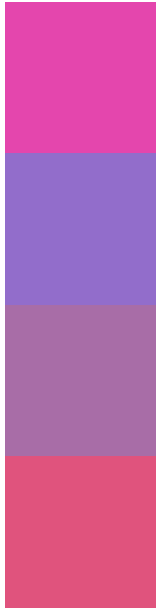




Tritanopia

36.0230, 23.8748, 14.0189

Trichromacy



Original Color

41.7279, 23.8914, 41.9474

Protanomaly

28.1022, 21.3601, 59.1417

Deuteranomaly

28.5921, 22.0521, 39.3087

Tritanomaly

37.5354, 23.5145, 21.9624

Monochromacy



Original Color

41.7279, 23.8914, 41.9474

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

25.9904, 20.7688, 29.4270

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.7279, 23.8914, 41.9474 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(228, 70, 173)` looks like.

```
.text, #text, p{  
    color:rgb(228, 70, 173)  
}
```

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(228, 70, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 70, 173) }
```

Border

The CSS property to change the border of an element to XYZ 41.7279, 23.8914, 41.9474 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(228, 70, 173) }
```


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

```
.border{ border-color:rgb(228, 70, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 70, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(228, 70, 173); -webkit-box-shadow:4px 4px 4px 4px rgb(228, 70, 173); box-shadow:4px 4px 4px 4px rgb(228, 70, 173) }
```

Background

The CSS property to change the background color of an element to XYZ 41.7279, 23.8914, 41.9474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 70, 173) }
```

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

```
.background{ background-color: rgb(228, 70,  
173) }
```

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