

Converting Colors

XYZ(42.8023, 26.1782, 40.3331)

Have a look what the booklet for
XYZ(42.8023, 26.1782, 40.3331)
contains.

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Color

**XYZ(42.8023, 26.1782,
40.3331)**

Conversions

Conversions Part 1

Format	Color
Hex	E556A9
RGB	229, 86, 169
RGB Percent	90%, 34%, 66%
CMY	0.1020, 0.6627, 0.3373
CMYK	0.00, 0.62, 0.26, 0.10
HSL	325°, 73%, 62%
HSV	325°, 62%, 90%
XYZ	42.8023, 26.1782, 40.3331
YIQ	138.2190, 58.5850, 56.1290

Conversions

Conversions Part 2

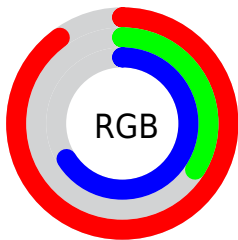
Format	Color
R _Y B	229, 86, 169
Decimal	15029929
CIE Lab	58.21, 63.40, -15.70
CIE LCh	58, 65.309, 346.095
Yxy	26.1782, 0.3916, 0.2395
Android (android.graphics.Color)	4293220009 (0xFFE556A9)
YUV	138.2190, 15.1750, 79.6149
Hunter-Lab	51.1646, 59.7879, -10.9231

Details

The XYZ color **42.8023, 26.1782, 40.3331** 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 **37.0468, 60.0931, 36.8439**, and the grayscale version is **24.1705, 25.4293, 27.6925**.

A 20% lighter version of the original color is **64.5170, 46.2867, 76.0548**, and **19.9889, 10.2313, 17.7509** is the 20% darker color. If you saturate the color by 10%, you get **40.3887, 22.7419, 35.2403**, and if you desaturate by 10%, it is **45.8692, 30.8147, 45.9713**.

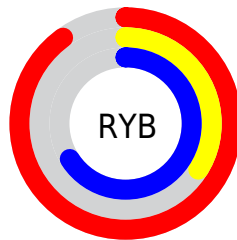
Distribution



Red (90%)

Green (34%)

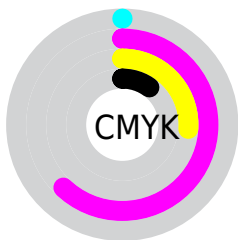
Blue (66%)



Red (90%)

Yellow (34%)

Blue (66%)

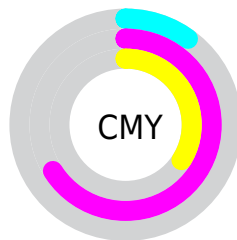


Cyan (0%)

Magenta (62%)

Yellow (26%)

Black (10%)



Cyan (10%)


Magenta (66%)


Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.8023, 26.1782, 40.3331 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 42.8023, 26.1782, 40.3331 by changing the saturation by 10% instead.


 42.8023, 26.1782,
40.3331

 42.8023, 26.1782,
40.3331


348.7334,
283.6558, 363.1193

 29.9239, 16.9570,
27.4826


 78.6700, 53.5623,
76.9131


 19.9286, 10.2038,
17.7004


 102.3900, 72.4940,
101.4797

 12.4511, 5.5343,
10.5679


 130.4546, 95.4313,
130.7887

 7.1261, 2.5640,
5.6666

 163.2291,
122.7586, 165.2587

 3.5881, 0.9086,
2.5779

201.0788,
154.8603, 205.3082

 1.4719, 0.0000,
0.8810

244.3693,

 0.3066, 0.0000,

192.1208, 251.3558

0.0000

293.4657,
234.9245, 303.8200

■ 0.0000, 0.0000,
0.0000

■ 42.8023, 26.1782,
40.3331

■ 42.8023, 26.1782,
40.3331

■ 40.3887, 22.7419,
35.2403

■ 45.8692, 30.8147,
45.9713

■ 38.5665, 20.3847,
30.6645

■ 49.6391, 36.7489,
52.1774

■ 37.2649, 18.9672,
26.5752

■ 54.1591, 44.0730,
58.9741

■ 36.5407, 18.3491,
23.7740

■ 59.4716, 52.8695,
66.3818

■ 65.6156, 63.2146,
74.4196

72.6275, 75.1788,
83.1059

80.5413, 88.8288,
92.4578

84.6880, 94.8240,
100.9248

86.1232, 95.3980,
108.4822

Harmonies

Analogous

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



37.5574, 26.1782, 70.7533



42.8023, 26.1782, 40.3331



42.5863, 26.1782, 18.0345

Triad

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



42.8023, 26.1782, 40.3331



20.8910, 26.1782, 3.7709



15.7381, 26.1782, 72.9371

Complementary

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



42.8023, 26.1782, 40.3331



37.0468, 60.0931, 36.8439

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.



12.9226, 26.1782, 42.3976



42.8023, 26.1782, 40.3331



15.4367, 26.1782, 7.6845

Square

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



42.8023, 26.1782, 40.3331



28.7271, 26.1782, 3.6600



12.8255, 26.1782, 19.2478



21.3956, 26.1782, 95.3369

Rectangle

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



42.8023, 26.1782, 40.3331



39.3410, 26.1782, 9.7465



12.8255, 26.1782, 19.2478



14.4861, 26.1782, 62.7270

Sweetspot

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



42.8031, 26.1795, 40.3336



78.3917, 71.6470, 88.0453



29.2523, 18.3874, 76.1362



16.3169, 14.5610, 18.2292



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.



42.8031, 26.1795, 40.3336



50.7728, 27.9840, 43.1549



37.8426, 24.1954, 14.2122



14.7260, 14.5076, 16.7574



20.9535, 10.5156, 13.9161



1.5945, 0.7955, 1.2712

Inverse Universe

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



42.8031, 26.1795, 40.3336



50.7728, 27.9840, 43.1549



44.3932, 63.0317, 75.5296



14.7260, 14.5076, 16.7574



20.9535, 10.5156, 13.9161



1.5945, 0.7955, 1.2712

Previews

White Background



This preview shows how the XYZ color 42.8023, 26.1782, 40.3331 looks on a white background.

Color Contrast Check

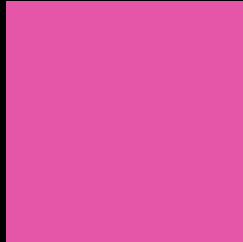
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.8023, 26.1782, 40.3331 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

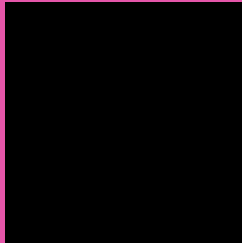
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 42.8023, 26.1782, 40.3331

Background



This preview shows how black text looks on a background with the XYZ color 42.8023, 26.1782, 40.3331.



This preview shows how white text looks on a background with the XYZ color 42.8023, 26.1782,

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

42.8023, 26.1782, 40.3331

Protanopia

27.8222, 26.5335, 62.6866

Deuteranopia

26.8803, 26.3938, 37.3960



Tritanopia

38.1009, 26.2374, 17.2435

Trichromacy



Original Color

42.8023, 26.1782, 40.3331



Protanomaly

30.3230, 24.3130, 53.5468



Deuteranomaly

30.8585, 24.7512, 38.2730



Tritanomaly

39.5762, 26.1462, 24.0799

Monochromacy



Original Color

42.8023, 26.1782, 40.3331



Achromatopsia

24.1572, 25.4152, 27.6772



Achromatomaly

28.8162, 24.0215, 31.5516

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.8023, 26.1782, 40.3331 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(229, 86, 169)` looks like.

```
.text, #text, p{  
    color:rgb(229, 86, 169)  
}
```

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(229, 86, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 86, 169) }
```

Border

The CSS property to change the border of an element to XYZ 42.8023, 26.1782, 40.3331 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(229, 86, 169) }
```


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

```
.border{ border-color:rgb(229, 86, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 86, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 86, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 86, 169);  
box-shadow:4px 4px 4px 4px rgb(229, 86,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 42.8023, 26.1782, 40.3331 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 86, 169) }
```

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

```
.background{ background-color: rgb(229, 86,  
169) }
```

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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