

Converting Colors

XYZ(42.1994, 24.9766, 44.7244)

Have a look what the booklet for
XYZ(42.1994, 24.9766, 44.7244)
contains.

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Color

**XYZ(42.1959, 24.9751,
44.7162)**

Conversions

Conversions Part 1

Format	Color
Hex	E24FB2
RGB	226, 79, 178
RGB Percent	89%, 31%, 70%
CMY	0.1137, 0.6902, 0.3020
CMYK	0.00, 0.65, 0.21, 0.11
HSL	320°, 72%, 60%
HSV	320°, 65%, 89%
XYZ	42.1959, 24.9751, 44.7162
YIQ	134.2390, 55.8330, 61.9530

Conversions

Conversions Part 2

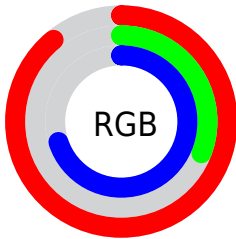
Format	Color
R _Y B	226, 79, 178
Decimal	14831538
CIE Lab	57.05, 66.55, -22.71
CIE LCh	57, 70.322, 341.158
Yxy	24.9751, 0.3771, 0.2232
Android (android.graphics.Color)	4293021618 (0xFFE24FB2)
YUV	134.2390, 21.5742, 80.4744
Hunter-Lab	49.9751, 63.2580, -18.0683

Details

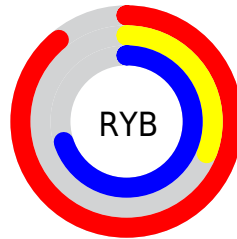
The XYZ color **42.1959, 24.9751, 44.7162** is a light color, and the websafe version is hex **CC3399**. The color can be described as light muted rose. A complement of this color would be **34.2529, 57.5881, 29.3918**, and the grayscale version is **22.6579, 23.8379, 25.9594**.

A 20% lighter version of the original color is **65.0369, 45.0918, 83.1177**, and **19.6380, 9.6962, 20.2385** is the 20% darker color. If you saturate the color by 10%, you get **40.1128, 21.9627, 40.4638**, and if you desaturate by 10%, it is **44.8743, 29.1136, 49.3642**.

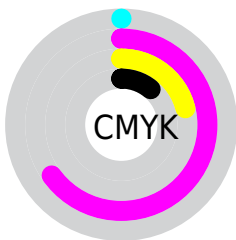
Distribution



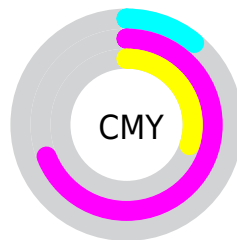
- Red (89%)
- Green (31%)
- Blue (70%)



- Red (89%)
- Yellow (31%)
- Blue (70%)



- Cyan (0%)
- Magenta (65%)
- Yellow (21%)
- Black (11%)





- Cyan (11%)
- Magenta (69%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.1959, 24.9751, 44.7162 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 42.1959, 24.9751, 44.7162 by changing the saturation by 10% instead.

 42.1959, 24.9751,
44.7162


 42.1959, 24.9751,
44.7162


346.2722,
277.7139, 381.7495


 29.4465, 16.0585,
30.8926


 77.7593, 51.6168,
83.6083


 19.5648, 9.5656,
20.2593


 101.3041, 70.1107,
109.5139

 12.1855, 5.1119,
12.3977


 129.1780, 92.5659,
140.2840

 6.9433, 2.3131,
6.8893

 161.7464,
119.3667, 176.3370

 3.4727, 0.7806,
3.3156

199.3746,
150.8975, 218.0915

 1.4084, 0.0000,
1.2580

242.4281,

 0.2622, 0.0000,

187.5427, 265.9661

0.0270

291.2722,
229.6867, 320.3792

■ 0.0000, 0.0000,
0.0000

■ 42.1959, 24.9751,
44.7162

■ 42.1959, 24.9751,
44.7162

■ 40.1128, 21.9627,
40.4638

■ 44.8743, 29.1136,
49.3642

■ 38.5632, 19.9549,
36.5826

■ 48.1969, 34.4760,
54.4264


■ 37.4752, 18.8086,
33.0459

■ 52.2099, 41.1534,
59.9214


■ 37.0481, 18.4424,
31.3991


■ 56.9545, 49.2275,
65.8657

■ 62.4686, 58.7730,
72.2748

 68.7875, 69.8596,
79.1632

 75.9441, 82.5522,
86.5446

 82.4162, 93.8056,
93.9143

 83.5172, 94.2461,
99.7125

Harmonies

Analogous

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



35.8193, 24.9751, 77.9235



42.1959, 24.9751, 44.7162



43.0106, 24.9751, 19.2973

Triad

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



42.1959, 24.9751, 44.7162



20.7914, 24.9751, 2.5149



13.6643, 24.9751, 69.5360

Complementary

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



42.1959, 24.9751, 44.7162



34.2529, 57.5881, 29.3918

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.



11.3035, 24.9751, 36.9947



42.1959, 24.9751, 44.7162



14.7339, 24.9751, 5.2958

Square

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



42.1959, 24.9751, 44.7162



29.2540, 24.9751, 2.8520



11.6433, 24.9751, 14.9762



18.9632, 24.9751, 97.0931

Rectangle

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



42.1959, 24.9751, 44.7162



40.1150, 24.9751, 9.7790



11.6433, 24.9751, 14.9762



12.5634, 24.9751, 58.2244

Sweetspot

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



42.1967, 24.9764, 44.7167



78.3164, 70.6391, 90.6628



25.0629, 15.4861, 73.6200



16.3333, 14.3778, 18.9009



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.



42.1967, 24.9764, 44.7167



51.9587, 27.8179, 51.3745



36.7600, 22.8017, 16.0876



14.0947, 13.8555, 16.2689



21.1926, 10.5441, 18.2121



1.5096, 0.7471, 1.4764

Inverse Universe

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



42.1967, 24.9764, 44.7167



51.9587, 27.8179, 51.3745



40.7365, 60.1815, 63.5336



14.0947, 13.8555, 16.2689



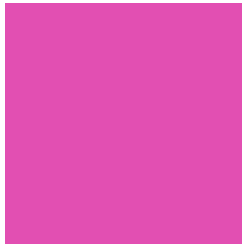
21.1926, 10.5441, 18.2121



1.5096, 0.7471, 1.4764

Previews

White Background



This preview shows how the XYZ color 42.1959, 24.9751, 44.7162 looks on a white background.

Color Contrast Check

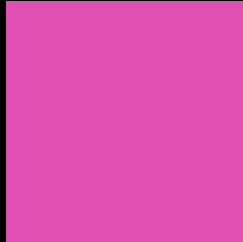
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.1959, 24.9751, 44.7162 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

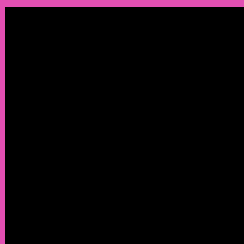
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 42.1959, 24.9751, 44.7162

Background



This preview shows how black text looks on a background with the XYZ color 42.1959, 24.9751, 44.7162.



This preview shows how white text looks on a background with the XYZ color 42.1959, 24.9751,

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

42.1959, 24.9751, 44.7162

Protanopia

27.4240, 25.4915, 71.8816

Deuteranopia

25.7512, 25.2986, 41.5561



Tritanopia

36.1309, 24.8154, 16.2501

Trichromacy



Original Color

42.1959, 24.9751, 44.7162



Protanomaly

29.3629, 22.9651, 60.6427



Deuteranomaly

29.6099, 23.4941, 42.5094



Tritanomaly

38.0301, 24.6777, 24.5887

Monochromacy



Original Color

42.1959, 24.9751, 44.7162



Achromatopsia

22.6597, 23.8398, 25.9615



Achromatomaly

27.4587, 22.4521, 31.7406

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.1959, 24.9751, 44.7162 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(226, 79, 178)` looks like.

```
.text, #text, p{  
    color:rgb(226, 79, 178)  
}
```

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(226, 79, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 79, 178) }
```

Border

The CSS property to change the border of an element to XYZ 42.1959, 24.9751, 44.7162 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(226, 79, 178) }
```


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

```
.border{ border-color:rgb(226, 79, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 79, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(226, 79, 178); -webkit-box-shadow:4px 4px 4px 4px rgb(226, 79, 178); box-shadow:4px 4px 4px 4px rgb(226, 79, 178) }
```

Background

The CSS property to change the background color of an element to XYZ 42.1959, 24.9751, 44.7162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 79, 178) }
```

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

```
.background{ background-color: rgb(226, 79,  
178) }
```

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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