

Converting Colors

XYZ(42.3150, 24.6578, 33.9817)

Have a look what the booklet for
XYZ(42.3150, 24.6578, 33.9817)
contains.

XYZ(42.3150, 24.6578, 33.9817)	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(42.3150, 24.6578,
33.9817)**

Conversions

Conversions Part 1

Format	Color
Hex	EA499C
RGB	234, 73, 156
RGB Percent	92%, 29%, 61%
CMY	0.0824, 0.7137, 0.3882
CMYK	0.00, 0.69, 0.33, 0.08
HSL	329°, 79%, 60%
HSV	329°, 69%, 92%
XYZ	42.3150, 24.6578, 33.9817
YIQ	130.6010, 69.3130, 59.9450

Conversions

Conversions Part 2

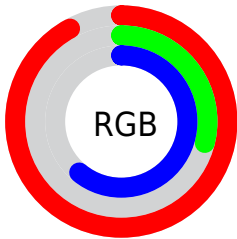
Format	Color
R_{YB}	234, 73, 156
Decimal	15354268
CIE _{Lab}	56.74, 68.25, -10.25
CIE _{LCh}	57, 69.016, 351.461
Yxy	24.6578, 0.4191, 0.2442
Android (android.graphics.Color)	4293544348 (0xFFEA499C)
YUV	130.6010, 12.5217, 90.6809
Hunter-Lab	49.6566, 65.2101, -5.8145

Details

The XYZ color **42.3150, 24.6578, 33.9817** 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 **37.7579, 62.4973, 39.3552**, and the grayscale version is **21.3722, 22.4852, 24.4864**.

A 20% lighter version of the original color is **61.1241, 42.4157, 65.9382**, and **20.0054, 10.0186, 14.2440** is the 20% darker color. If you saturate the color by 10%, you get **40.1406, 21.7744, 28.7394**, and if you desaturate by 10%, it is **45.1584, 28.7357, 39.8896**.

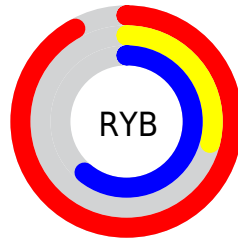
Distribution



Red (92%)

Green (29%)

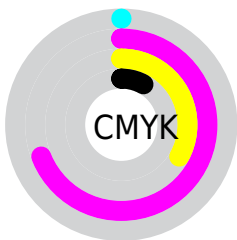
Blue (61%)



Red (92%)

Yellow (29%)

Blue (61%)

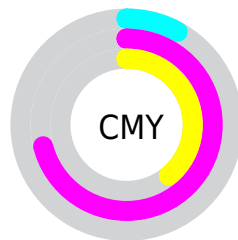


Cyan (0%)

Magenta (69%)

Yellow (33%)

Black (8%)



Cyan (8%)


Magenta (71%)


Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.3150, 24.6578, 33.9817 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 42.3150, 24.6578, 33.9817 by changing the saturation by 10% instead.

 42.3150, 24.6578,
33.9817


 42.3150, 24.6578,
33.9817


346.7565,
276.1294, 334.8171

 29.5402, 15.8223,
22.6023


 77.9383, 51.1015,
67.0388

 19.6362, 9.3985,
14.0976


 101.5176, 69.4785,
89.5535


 12.2376, 5.0020,
8.0490


 129.4290, 91.8048,
116.6172

 6.9791, 2.2484,
4.0381

 162.0380,
118.4648, 148.6482

 3.4952, 0.7462,
1.6463

 199.7099,
149.8429, 186.0651

 1.4207, 0.0000,
0.3235

242.8100,

 0.2709, 0.0000,

186.3234, 229.2866

0.0000

291.7038,
228.2908, 278.7311

■ 0.0000, 0.0000,
0.0000

■ 42.3150, 24.6578,
33.9817

■ 42.3150, 24.6578,
33.9817

■ 40.1406, 21.7744,
28.7394

■ 45.1584, 28.7357,
39.8896

■ 38.5620, 19.9430,
24.1255

■ 48.7292, 34.1212,
46.4935


■ 37.4744, 18.9583,
20.0929


■ 53.0813, 40.9186,
53.8227


■ 37.3601, 18.8638,
19.6416


■ 58.2628, 49.2206,
61.9039

■ 64.3178, 59.1117,
70.7624

 71.2870, 70.6704,
80.4217

 79.2085, 83.9697,
90.9043

 86.4338, 95.7093,
101.6702

 87.7418, 96.2325,
108.5580

Harmonies

Analogous

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



37.7461, 24.6578, 65.0145



42.3150, 24.6578, 33.9817



40.9923, 24.6578, 13.6773

Triad

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



42.3150, 24.6578, 33.9817



18.2178, 24.6578, 3.1173



15.0558, 24.6578, 78.5822

Complementary

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



42.3150, 24.6578, 33.9817



37.7579, 62.4973, 39.3552

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.



11.7821, 24.6578, 46.5493



42.3150, 24.6578, 33.9817



13.2955, 24.6578, 7.6187

Square

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



42.3150, 24.6578, 33.9817



25.8104, 24.6578, 2.5423



11.2213, 24.6578, 20.7901



21.2128, 24.6578, 98.8619

Rectangle

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



42.3150, 24.6578, 33.9817



37.0532, 24.6578, 6.8951



11.2213, 24.6578, 20.7901



13.6463, 24.6578, 68.1876

Sweetspot

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



42.3157, 24.6591, 33.9821



76.3823, 68.9036, 83.4431



29.9639, 17.2691, 79.5961



15.9036, 14.0191, 17.2135



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.



42.3157, 24.6591, 33.9821



47.8216, 25.2953, 32.2640



37.6088, 22.7763, 9.1957



15.3897, 15.1837, 17.3372



21.0583, 10.6260, 11.3742



1.7022, 0.8538, 1.1491

Inverse Universe

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



42.3157, 24.6591, 33.9821



47.8216, 25.2953, 32.2640



46.6399, 66.0500, 86.1270



15.3897, 15.1837, 17.3372



21.0583, 10.6260, 11.3742



1.7022, 0.8538, 1.1491

Previews

White Background



This preview shows how the XYZ color 42.3150, 24.6578, 33.9817 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 42.3150, 24.6578, 33.9817 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

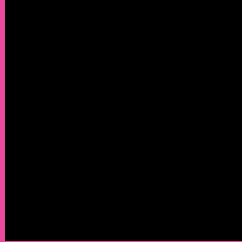
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 42.3150, 24.6578, 33.9817

Background



This preview shows how black text looks on a background with the XYZ color 42.3150, 24.6578, 33.9817.



This preview shows how white text looks on a background with the XYZ color 42.3150, 24.6578,

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

42.3150, 24.6578, 33.9817

Protanopia

25.9206, 24.8404, 56.8546

Deuteranopia

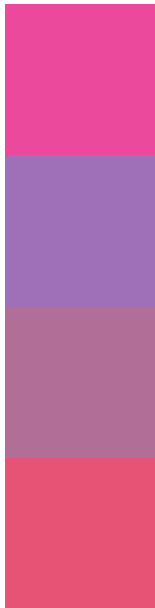
25.4099, 24.9329, 31.4903



Tritanopia

37.9059, 24.6109, 13.3422

Trichromacy



Original Color

42.3150, 24.6578, 33.9817

Protanomaly

28.6395, 22.3782, 47.6097

Deuteranomaly

29.4018, 22.9504, 32.1584

Tritanomaly

39.2591, 24.4598, 19.4816

Monochromacy



Original Color

42.3150, 24.6578, 33.9817

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

26.4580, 21.3701, 27.5413

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.3150, 24.6578, 33.9817 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(234, 73, 156)` looks like.

```
.text, #text, p{  
    color:rgb(234, 73, 156)  
}
```

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(234, 73, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 73, 156) }
```

Border

The CSS property to change the border of an element to XYZ 42.3150, 24.6578, 33.9817 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(234, 73, 156) }
```


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

```
.border{ border-color:rgb(234, 73, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 73, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 73, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 73, 156);  
box-shadow:4px 4px 4px 4px rgb(234, 73,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 42.3150, 24.6578, 33.9817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 73, 156) }
```

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

```
.background{ background-color: rgb(234, 73,  
156) }
```

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