

Converting Colors

XYZ(42.8833, 24.6435, 36.7603)

Have a look what the booklet for
XYZ(42.8833, 24.6435, 36.7603)
contains.

XYZ(42.9727, 24.6511, 36.6756)	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(42.9727, 24.6511,
36.6756)**

Conversions

Conversions Part 1

Format	Color
Hex	EB46A2
RGB	235, 70, 162
RGB Percent	92%, 27%, 64%
CMY	0.0784, 0.7255, 0.3647
CMYK	0.00, 0.70, 0.31, 0.08
HSL	327°, 80%, 60%
HSV	327°, 70%, 92%
XYZ	42.9727, 24.6511, 36.6756
YIQ	129.8230, 68.8080, 63.5920

Conversions

Conversions Part 2

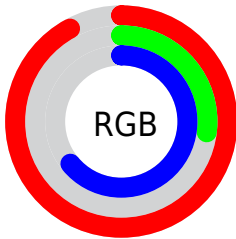
Format	Color
RYB	235, 70, 162
Decimal	15419042
CIELab	56.73, 70.25, -13.75
CIELCh	57, 71.581, 348.923
Yxy	24.6511, 0.4120, 0.2363
Android (android.graphics.Color)	4293609122 (0xFFEB46A2)
YUV	129.8230, 15.8633, 92.2402
Hunter-Lab	49.6499, 67.6071, -9.0417

Details

The XYZ color **42.9727, 24.6511, 36.6756** 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 **37.1936, 62.7027, 36.1330**, and the grayscale version is **21.0858, 22.1839, 24.1583**.

A 20% lighter version of the original color is **61.7470, 42.2350, 70.5434**, and **20.4937, 10.2397, 15.6482** is the 20% darker color. If you saturate the color by 10%, you get **40.8931, 21.9103, 31.6093**, and if you desaturate by 10%, it is **45.7050, 28.5746, 42.3369**.

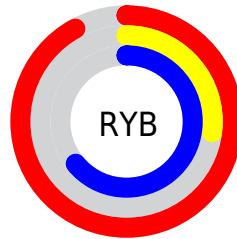
Distribution



Red (92%)

Green (27%)

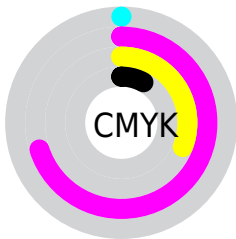
Blue (64%)



Red (92%)

Yellow (27%)

Blue (64%)

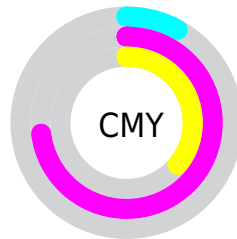


Cyan (0%)

Magenta (70%)

Yellow (31%)

Black (8%)



Cyan (8%)

Magenta (73%)

Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.9727, 24.6511, 36.6756 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 42.9727, 24.6511, 36.6756 by changing the saturation by 10% instead.


 42.9727, 24.6511,
36.6756

 42.9727, 24.6511,
36.6756


349.4229,
276.0959, 347.0302


 30.0581, 15.8173,
24.6626

 78.9256, 51.0906,
71.2543

 20.0310, 9.3950,
15.6091


 102.6947, 69.4652,
94.6571


 12.5260, 4.9997,
9.0966


 130.8126, 91.7887,
122.6936

 7.1777, 2.2471,
4.7066

 163.6448,
118.4457, 155.7823

 3.6208, 0.7455,
2.0205

 201.5566,
149.8206, 194.3418

 1.4899, 0.0000,
0.5678

244.9133,

 0.3190, 0.0000,

186.2976, 238.7906

0.0000

294.0803,
228.2612, 289.5472

■ 0.0000, 0.0000,
0.0000

■ 42.9727, 24.6511,
36.6756

■ 42.9727, 24.6511,
36.6756

■ 40.8931, 21.9103,
31.6093

■ 45.7050, 28.5746,
42.3369

■ 39.3906, 20.2046,
27.1032


■ 49.1494, 33.7975,
48.6213


■ 38.3594, 19.3016,
23.1853


■ 53.3610, 40.4266,
55.5558


■ 58.3883, 48.5567,
63.1646

■ 64.2758, 58.2741,
71.4708

 71.0647, 69.6585,
80.4956

 78.7934, 82.7843,
90.2594

 86.5301, 95.7858,
100.4590

 88.0710, 96.4022,
108.5734

Harmonies

Analogous

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



37.7299, 24.6511, 69.7853



42.9727, 24.6511, 36.6756



42.1267, 24.6511, 14.5242

Triad

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



42.9727, 24.6511, 36.6756



18.6014, 24.6511, 2.6133



14.3877, 24.6511, 78.5359

Complementary

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



42.9727, 24.6511, 36.6756



37.1936, 62.7027, 36.1330

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.



11.2915, 24.6511, 44.6758



42.9727, 24.6511, 36.6756



13.2949, 24.6511, 6.5510

Square

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



42.9727, 24.6511, 36.6756



26.6509, 24.6511, 2.2837



10.9457, 24.6511, 18.9431



20.4799, 24.6511, 101.9330

Rectangle

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



42.9727, 24.6511, 36.6756



38.2653, 24.6511, 7.0817



10.9457, 24.6511, 18.9431



13.0308, 24.6511, 67.3122

Sweetspot

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



42.9734, 24.6524, 36.6760



76.6989, 69.0303, 85.1104



28.2569, 16.0869, 80.2132



15.9788, 14.0492, 17.6098



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.



42.9734, 24.6524, 36.6760



48.3911, 25.3781, 35.7101



37.9374, 22.6380, 10.1564



15.4171, 15.1947, 17.4817



21.4140, 10.7683, 13.2475



1.7298, 0.8649, 1.2945

Inverse Universe

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



42.9734, 24.6524, 36.6760



48.3911, 25.3781, 35.7101



45.6896, 66.1011, 80.8724



15.4171, 15.1947, 17.4817



21.4140, 10.7683, 13.2475



1.7298, 0.8649, 1.2945

Previews

White Background



This preview shows how the XYZ color 42.9727, 24.6511, 36.6756 looks on a white background.

Color Contrast Check

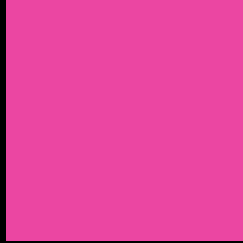
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.9727, 24.6511, 36.6756 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

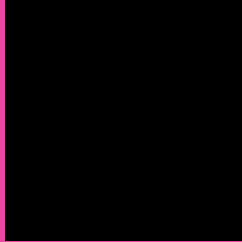
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 42.9727, 24.6511, 36.6756

Background



This preview shows how black text looks on a background with the XYZ color 42.9727, 24.6511, 36.6756.



This preview shows how white text looks on a background with the XYZ color 42.9727, 24.6511,

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

42.9727, 24.6511, 36.6756

Protanopia

26.3431, 24.9347, 62.4559

Deuteranopia

25.2926, 24.8257, 33.5958



Tritanopia

38.1432, 24.6106, 13.3296

Trichromacy



Original Color

42.9727, 24.6511, 36.6756



Protanomaly

28.7987, 22.1984, 52.0571



Deuteranomaly

29.4812, 22.7823, 34.2961



Tritanomaly

39.5509, 24.3726, 20.0726

Monochromacy



Original Color

42.9727, 24.6511, 36.6756



Achromatopsia

21.2178, 22.3228, 24.3095



Achromatomaly

26.3935, 21.0029, 28.2541

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.9727, 24.6511, 36.6756 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(235, 70, 162)` looks like.

```
.text, #text, p{  
    color:rgb(235, 70, 162)  
}
```

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(235, 70, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 70, 162) }
```

Border

The CSS property to change the border of an element to XYZ 42.9727, 24.6511, 36.6756 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(235, 70, 162) }
```


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

```
.border{ border-color:rgb(235, 70, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 70, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(235, 70, 162); -webkit-box-shadow:4px 4px 4px 4px rgb(235, 70, 162); box-shadow:4px 4px 4px 4px rgb(235, 70, 162) }
```

Background

The CSS property to change the background color of an element to XYZ 42.9727, 24.6511, 36.6756 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 70, 162) }
```

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

```
.background{ background-color: rgb(235, 70,  
162) }
```

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