

Converting Colors

XYZ(42.5713, 26.2037, 39.4763)

Have a look what the booklet for
XYZ(42.5713, 26.2037, 39.4763)
contains.

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Color

**XYZ(42.6963, 26.2644,
39.3784)**

Conversions

Conversions Part 1

Format	Color
Hex	E557A7
RGB	229, 87, 167
RGB Percent	90%, 34%, 65%
CMY	0.1020, 0.6588, 0.3451
CMYK	0.00, 0.62, 0.27, 0.10
HSL	326°, 73%, 62%
HSV	326°, 62%, 90%
XYZ	42.6963, 26.2644, 39.3784
YIQ	138.5780, 58.9520, 54.9840

Conversions

Conversions Part 2

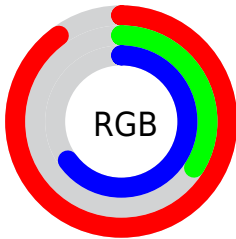
Format	Color
R _Y B	229, 87, 167
Decimal	15030183
CIE _{Lab}	58.29, 62.73, -14.41
CIE _{LCh}	58, 64.362, 347.060
Y _{xy}	26.2644, 0.3941, 0.2424
Android (android.graphics.Color)	4293220263 (0xFFE557A7)
Y _{UV}	138.5780, 14.0120, 79.3001
Hunter-Lab	51.2488, 59.0261, -9.6829

Details

The XYZ color **42.6963, 26.2644, 39.3784** 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 **37.3760, 60.2355, 38.0936**, and the grayscale version is **24.3118, 25.5779, 27.8543**.

A 20% lighter version of the original color is **64.3981, 46.4804, 74.6847**, and **19.9222, 10.2842, 17.1547** is the 20% darker color. If you saturate the color by 10%, you get **40.2386, 22.7714, 34.1734**, and if you desaturate by 10%, it is **45.8149, 30.9643, 45.1568**.

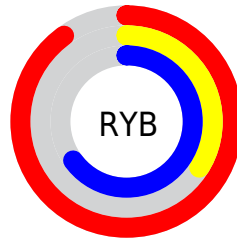
Distribution



Red (90%)

Green (34%)

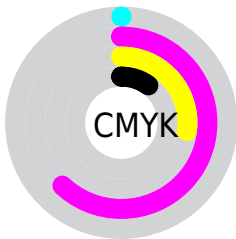
Blue (65%)



Red (90%)

Yellow (34%)

Blue (65%)

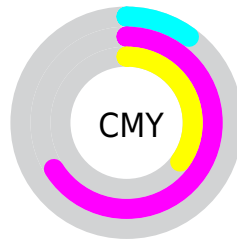


Cyan (0%)

Magenta (62%)

Yellow (27%)

Black (10%)



Cyan (10%)


Magenta (66%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.6963, 26.2644, 39.3784 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 42.6963, 26.2644, 39.3784 by changing the saturation by 10% instead.


 42.6963, 26.2644,
39.3784

 42.6963, 26.2644,
39.3784

348.3040,
284.0776, 358.9705


 29.8404, 17.0215,
26.7441


 78.5109, 53.7012,
75.4427


 19.8649, 10.2499,
17.1504


 102.2004, 72.6639,
99.7099

 12.4046, 5.5649,
10.1787


 130.2317, 95.6354,
128.6917

 7.0940, 2.5824,
5.4105

 162.9703,
123.0000, 162.8068

 3.5678, 0.9178,
2.4271

200.7814,
155.1421, 202.4737

 1.4607, 0.0000,
0.8012

244.0305,

 0.2988, 0.0000,

192.4461, 248.1109

0.0000

293.0829,
235.2965, 300.1370

■ 0.0000, 0.0000,
0.0000

■ 42.6963, 26.2644,
39.3784

■ 42.6963, 26.2644,
39.3784

■ 40.2386, 22.7714,
34.1734

■ 45.8149, 30.9643,
45.1568

■ 38.3799, 20.3650,
29.5127

■ 49.6439, 36.9683,
51.5321

■ 37.0501, 18.9069,
25.3648

■ 54.2305, 44.3682,
58.5276

■ 36.2762, 18.2433,
22.3815

■ 59.6169, 53.2461,
66.1649

■ 65.8423, 63.6781,
74.4637

72.9430, 75.7347,
83.4432

80.9534, 89.4822,
93.1213

84.8606, 94.8930,
101.8337

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.



37.6847, 26.2644, 69.1673



42.6963, 26.2644, 39.3784



42.2969, 26.2644, 17.7226

Triad

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



42.6963, 26.2644, 39.3784



20.8026, 26.2644, 4.0118



16.0488, 26.2644, 73.1921

Complementary

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



42.6963, 26.2644, 39.3784



37.3760, 60.2355, 38.0936

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.



13.1608, 26.2644, 43.2016



42.6963, 26.2644, 39.3784



15.4855, 26.2644, 8.1351

Square

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



42.6963, 26.2644, 39.3784



28.4884, 26.2644, 3.7991



12.9789, 26.2644, 19.9892



21.7421, 26.2644, 94.5512

Rectangle

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



42.6963, 26.2644, 39.3784



39.0060, 26.2644, 9.6900



12.9789, 26.2644, 19.9892



14.7748, 26.2644, 63.2412

Sweetspot

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



42.6971, 26.2657, 39.3789



78.2729, 71.5995, 87.4197



29.8620, 18.8210, 76.1878



16.2881, 14.5495, 18.0778



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.



42.6971, 26.2657, 39.3789



50.7105, 28.1935, 42.1046



37.8552, 24.3290, 13.8819



14.7154, 14.5033, 16.7015



20.8025, 10.4552, 13.1207



1.5837, 0.7912, 1.2143

Inverse Universe

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



42.6971, 26.2657, 39.3789



50.7105, 28.1935, 42.1046



44.8072, 63.2080, 77.2258



14.7154, 14.5033, 16.7015



20.8025, 10.4552, 13.1207



1.5837, 0.7912, 1.2143

Previews

White Background



This preview shows how the XYZ color 42.6963, 26.2644, 39.3784 looks on a white background.

Color Contrast Check

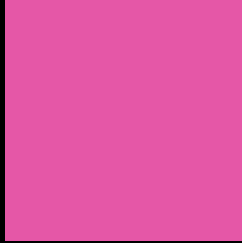
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.6963, 26.2644, 39.3784 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

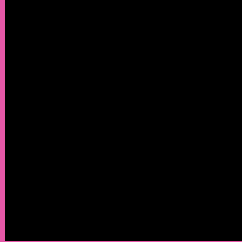
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 42.6963, 26.2644, 39.3784

Background



This preview shows how black text looks on a background with the XYZ color 42.6963, 26.2644, 39.3784.



This preview shows how white text looks on a background with the XYZ color 42.6963, 26.2644,

39.3784.

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

42.6963, 26.2644, 39.3784

Protanopia

27.5953, 26.4585, 60.7793

Deuteranopia

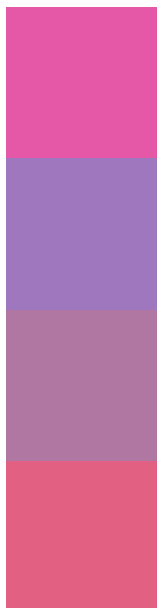
26.8807, 26.4143, 36.4826



Tritanopia

38.1009, 26.2374, 17.2435

Trichromacy



Original Color

42.6963, 26.2644, 39.3784

Protanomaly

30.2989, 24.3262, 52.3887

Deuteranomaly

31.0229, 25.0324, 37.3791

Tritanomaly

39.5093, 26.1195, 23.7281

Monochromacy



Original Color

42.6963, 26.2644, 39.3784

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

29.1545, 24.3735, 31.6017

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.6963, 26.2644, 39.3784 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, 87, 167)` looks like.

```
.text, #text, p{  
    color:rgb(229, 87, 167)  
}
```

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, 87, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 87, 167) }
```

Border

The CSS property to change the border of an element to XYZ 42.6963, 26.2644, 39.3784 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, 87, 167) }
```


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

```
.border{ border-color:rgb(229, 87, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 87, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 87, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 87, 167);  
box-shadow:4px 4px 4px 4px rgb(229, 87,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 42.6963, 26.2644, 39.3784 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 87, 167) }
```

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

```
.background{ background-color: rgb(229, 87,  
167) }
```

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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