

Converting Colors

XYZ(40.0123, 26.7011, 34.0745)

Have a look what the booklet for
XYZ(40.0123, 26.7011, 34.0745)
contains.

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Color

**XYZ(39.9888, 26.6965,
34.0557)**

Conversions

Conversions Part 1

Format	Color
Hex	DC649B
RGB	220, 100, 155
RGB Percent	86%, 39%, 61%
CMY	0.1373, 0.6078, 0.3922
CMYK	0.00, 0.55, 0.30, 0.14
HSL	333°, 63%, 63%
HSV	333°, 55%, 86%
XYZ	39.9888, 26.6965, 34.0557
YIQ	142.1500, 53.8650, 42.5450

Conversions

Conversions Part 2

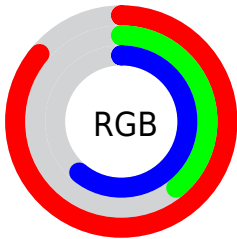
Format	Color
RYB	220, 100, 155
Decimal	14443675
CIELab	58.69, 52.71, -6.98
CIELCh	59, 53.170, 352.456
Yxy	26.6965, 0.3969, 0.2650
Android (android.graphics.Color)	4292633755 (0xFFDC649B)
YUV	142.1500, 6.3351, 68.2745
Hunter-Lab	51.6687, 47.7294, -2.9110

Details

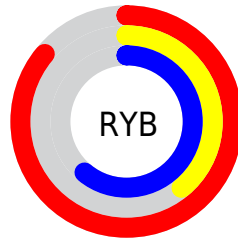
The XYZ color **39.9888, 26.6965, 34.0557** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **37.6416, 56.6131, 44.5437**, and the grayscale version is **25.7322, 27.0722, 29.4817**.

A 20% lighter version of the original color is **64.4700, 49.3061, 66.4407**, and **18.2997, 10.4822, 14.1555** is the 20% darker color. If you saturate the color by 10%, you get **37.2044, 22.6511, 28.4310**, and if you desaturate by 10%, it is **43.4431, 31.9233, 40.3916**.

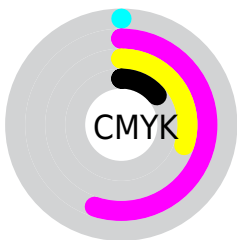
Distribution



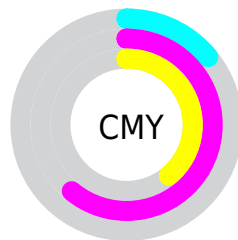
- Red (86%)
- Green (39%)
- Blue (61%)



- Red (86%)
- Yellow (39%)
- Blue (61%)



- Cyan (0%)
- Magenta (55%)
- Yellow (30%)
- Black (14%)




- Cyan (14%)
- Magenta (61%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.9888, 26.6965, 34.0557 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 39.9888, 26.6965, 34.0557 by changing the saturation by 10% instead.


 39.9888, 26.6965,
34.0557


 39.9888, 26.6965,
34.0557

337.2116,
286.1846, 335.1571

 27.7140, 17.3454,
22.6587


 74.4309, 54.3965,
67.1552


 18.2495, 10.4811,
14.1388


 97.3289, 73.5141,
89.6947

 11.2300, 5.7191,
8.0774


 124.4987, 96.6561,
116.7855

 6.2902, 2.6750,
4.0560

 156.3056,
124.2068, 148.8460

 3.0647, 0.9645,
1.6561

193.1150,
156.5506, 186.2950

 1.1881, 0.0000,
0.3304

235.2922,

 0.0969, 0.0000,

194.0719, 229.5507

0.0000

283.2026,
237.1551, 279.0319

■ 0.0000, 0.0000,
0.0000

■ 39.9888, 26.6965,
34.0557

■ 39.9888, 26.6965,
34.0557

■ 37.2044, 22.6511,
28.4310

■ 43.4431, 31.9233,
40.3916

■ 35.0378, 19.6879,
23.4853

■ 47.6096, 38.4122,
47.4655

■ 33.4323, 17.6980,
19.1853

■ 52.5295, 46.2412,
55.3043


■ 32.3182, 16.5473,
15.4922


■ 58.2401, 55.4810,
63.9330


■ 31.8559, 16.1519,
13.7065

■ 64.7762, 66.1972,
73.3752

 72.1705, 78.4513,
83.6535

 80.4538, 92.3014,
94.7894

 82.5838, 93.6591,
104.4464

 83.3253, 93.9557,
108.3513

Harmonies

Analogous

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



36.7043, 26.6965, 56.9907



39.9888, 26.6965, 34.0557



38.8561, 26.6965, 17.3702

Triad

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



39.9888, 26.6965, 34.0557



20.8687, 26.6965, 6.8753



18.4585, 26.6965, 67.9802

Complementary

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



39.9888, 26.6965, 34.0557



37.6416, 56.6131, 44.5437

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.



15.4389, 26.6965, 45.1035



39.9888, 26.6965, 34.0557



16.6546, 26.6965, 12.1851

Square

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



39.9888, 26.6965, 34.0557



27.0608, 26.6965, 5.9912



14.8405, 26.6965, 24.5926



23.7593, 26.6965, 81.3626

Rectangle

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



39.9888, 26.6965, 34.0557



35.8256, 26.6965, 10.9084



14.8405, 26.6965, 24.5926



17.1832, 26.6965, 60.7743

Sweetspot

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



39.9896, 26.6978, 34.0562



80.0308, 75.3319, 87.3376



32.7866, 22.1757, 70.2628



16.7635, 15.5293, 18.1464



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.



39.9896, 26.6978, 34.0562



51.6443, 31.1709, 38.9945



36.7668, 26.0378, 15.1462



13.3030, 13.1503, 14.8568



18.7507, 9.5013, 8.3330



1.2579, 0.6328, 0.7671

Inverse Universe

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



39.9896, 26.6978, 34.0562



51.6443, 31.1709, 38.9945



42.7306, 56.9891, 76.4583



13.3030, 13.1503, 14.8568



18.7507, 9.5013, 8.3330



1.2579, 0.6328, 0.7671

Previews

White Background



This preview shows how the XYZ color 39.9888, 26.6965, 34.0557 looks on a white background.

Color Contrast Check

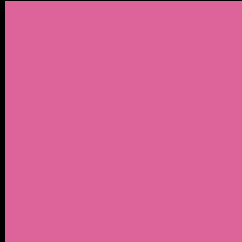
Large Text (above 18pt) WCAG AA ✓ Pass

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 39.9888, 26.6965, 34.0557 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 39.9888, 26.6965, 34.0557

Background



This preview shows how black text looks on a background with the XYZ color 39.9888, 26.6965, 34.0557.



This preview shows how white text looks on a background with the XYZ color 39.9888, 26.6965,

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

39.9888, 26.6965, 34.0557

Protanopia

27.0786, 26.9177, 47.4845

Deuteranopia

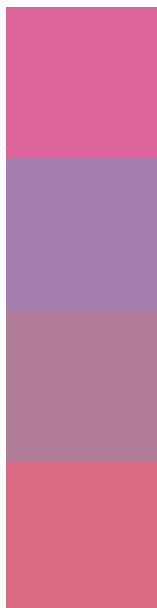
27.3194, 26.7366, 32.1546



Tritanopia

37.1302, 26.7378, 19.7269

Trichromacy



Original Color

39.9888, 26.6965, 34.0557

Protanomaly

29.8843, 25.4323, 42.3636

Deuteranomaly

30.9250, 25.9968, 32.6661

Tritanomaly

37.9943, 26.6203, 24.2548

Monochromacy



Original Color

39.9888, 26.6965, 34.0557

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

29.4334, 25.8314, 31.0384

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.9888, 26.6965, 34.0557 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(220, 100, 155)` looks like.

```
.text, #text, p{  
    color:rgb(220, 100, 155)  
}
```

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(220, 100, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 100, 155) }
```

Border

The CSS property to change the border of an element to XYZ 39.9888, 26.6965, 34.0557 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(220, 100, 155) }
```


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

```
.border{ border-color:rgb(220, 100, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 100, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 100, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 100, 155);  
box-shadow:4px 4px 4px 4px rgb(220, 100,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 39.9888, 26.6965, 34.0557 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 100, 155) }
```

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

```
.background{ background-color: rgb(220,  
100, 155) }
```

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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