

Converting Colors

XYZ(34.9237, 24.8513, 39.6524)

Have a look what the booklet for
XYZ(34.9237, 24.8513, 39.6524)
contains.

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Color

**XYZ(34.8940, 24.8339,
39.5135)**

Conversions

Conversions Part 1

Format	Color
Hex	C46AA7
RGB	196, 106, 167
RGB Percent	77%, 42%, 65%
CMY	0.2314, 0.5843, 0.3451
CMYK	0.00, 0.46, 0.15, 0.23
HSL	319°, 43%, 59%
HSV	319°, 46%, 77%
XYZ	34.8940, 24.8339, 39.5135
YIQ	139.8640, 34.0590, 38.0510

Conversions

Conversions Part 2

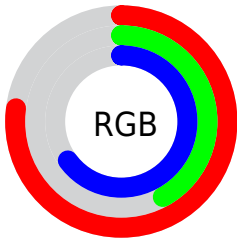
Format	Color
R_{YB}	196, 106, 167
Decimal	12872359
CIE _{Lab}	56.91, 43.74, -16.94
CIE _{LCh}	57, 46.906, 338.824
Yxy	24.8339, 0.3516, 0.2502
Android (android.graphics.Color)	4291062439 (0xFFC46AA7)
YUV	139.8640, 13.3780, 49.2313
Hunter-Lab	49.8336, 37.7786, -12.1280

Details

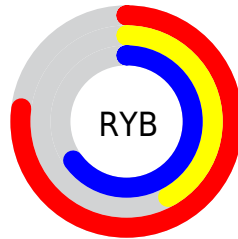
The XYZ color **34.8940, 24.8339, 39.5135** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **30.0581, 44.2940, 29.8890**, and the grayscale version is **24.8158, 26.1081, 28.4317**.

A 20% lighter version of the original color is **66.6287, 51.4864, 75.5334**, and **15.2289, 9.4516, 17.2413** is the 20% darker color. If you saturate the color by 10%, you get **32.5306, 21.0184, 35.9150**, and if you desaturate by 10%, it is **37.7491, 29.5862, 43.4170**.

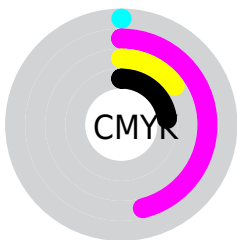
Distribution



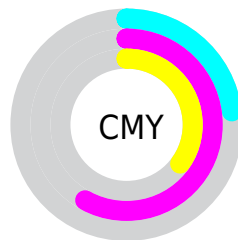
- Red (77%)
- Green (42%)
- Blue (65%)



- Red (77%)
- Yellow (42%)
- Blue (65%)



- Cyan (0%)
- Magenta (46%)
- Yellow (15%)
- Black (23%)





- Cyan (23%)
- Magenta (58%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.8940, 24.8339, 39.5135 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 34.8940, 24.8339, 39.5135 by changing the saturation by 10% instead.


 34.8940, 24.8339,
39.5135


 34.8940, 24.8339,
39.5135

315.6164,
277.0097, 359.5597


 23.7474, 15.9533,
26.8485


 66.6566, 51.3876,
75.6511


 15.2700, 9.4911,
17.2281


 88.0033, 69.8296,
99.9608

 9.0967, 5.0629,
10.2336


 113.4808, 92.2275,
128.9891

 4.8619, 2.2842,
5.4465

 143.4543,
118.9657, 163.1547

 2.2004, 0.7653,
2.4482

178.2893,
150.4287, 202.8760

 0.7429, 0.0000,
0.8125

218.3511,

 0.0000, 0.0000,

187.0007, 248.5716

0.0000

264.0050,
229.0663, 300.6599

■ 34.8940, 24.8339,
39.5135

■ 34.8940, 24.8339,
39.5135

■ 32.5306, 21.0184,
35.9150

■ 37.7491, 29.5862,
43.4170

■ 30.6242, 18.0724,
32.6074

■ 41.1227, 35.3298,
47.6359

■ 29.1393, 15.9251,
29.5770

■ 45.0426, 42.1190,
52.1813

■ 28.0338, 14.4928,
26.8077

■ 49.5337, 50.0031,
57.0636

■ 27.2548, 13.6708,
24.2797

■ 54.6194, 59.0283,
62.2924

■ 26.9878, 13.4249,
23.3018

■ 60.3218, 69.2382,
67.8768

■ 66.6617, 80.6740,
73.8255

■ 71.1182, 88.2931,
79.3000

■ 71.9584, 88.6292,
83.7244

Harmonies

Analogous

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



30.8690, 24.8339, 58.1396



34.8940, 24.8339, 39.5135



35.6634, 24.8339, 22.6575

Triad

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



34.8940, 24.8339, 39.5135



22.0195, 24.8339, 6.8029



16.2904, 24.8339, 50.8006

Complementary

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



34.8940, 24.8339, 39.5135



30.0581, 44.2940, 29.8890

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.



14.6249, 24.8339, 31.9538



34.8940, 24.8339, 39.5135



17.5787, 24.8339, 9.6496

Square

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



34.8940, 24.8339, 39.5135



27.6311, 24.8339, 7.4970



15.0568, 24.8339, 17.5137



19.9883, 24.8339, 66.2226

Rectangle

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



34.8940, 24.8339, 39.5135



34.1266, 24.8339, 14.9149



15.0568, 24.8339, 17.5137



15.5026, 24.8339, 44.4151

Sweetspot

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



34.8948, 24.8351, 39.5140



82.9026, 78.5808, 95.9855



25.0305, 19.4046, 54.6510



17.3846, 16.1912, 20.1427



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.



34.8948, 24.8351, 39.5140



58.9510, 38.1080, 65.0947



31.4639, 23.4627, 21.4471



10.3547, 10.1905, 11.9586



17.3815, 8.6423, 15.1869



0.7814, 0.3856, 0.8162

Inverse Universe

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



34.8948, 24.8351, 39.5140



58.9510, 38.1080, 65.0947



33.8720, 45.8195, 49.9730



10.3547, 10.1905, 11.9586



17.3815, 8.6423, 15.1869



0.7814, 0.3856, 0.8162

Previews

White Background



This preview shows how the XYZ color 34.8940, 24.8339, 39.5135 looks on a white background.

Color Contrast Check

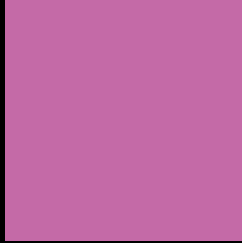
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.8940, 24.8339, 39.5135 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

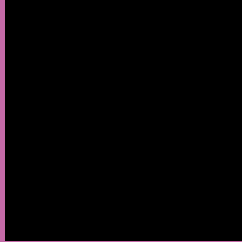
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 34.8940, 24.8339, 39.5135

Background



This preview shows how black text looks on a background with the XYZ color 34.8940, 24.8339, 39.5135.



This preview shows how white text looks on a background with the XYZ color 34.8940, 24.8339,

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

34.8940, 24.8339, 39.5135

Protanopia

25.6262, 25.0237, 51.0564

Deuteranopia

25.5279, 25.0621, 37.6744



Tritanopia

31.2547, 24.7931, 22.2070

Trichromacy



Original Color

34.8940, 24.8339, 39.5135

Protanomaly

27.6586, 24.0065, 46.3560

Deuteranomaly

28.2066, 24.4666, 38.3578

Tritanomaly

32.5201, 24.8192, 27.8875

Monochromacy



Original Color

34.8940, 24.8339, 39.5135

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

27.7214, 25.1139, 32.2406

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.8940, 24.8339, 39.5135 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(196, 106, 167)` looks like.

```
.text, #text, p{  
    color:rgb(196, 106, 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(196, 106, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 106, 167) }
```

Border

The CSS property to change the border of an element to XYZ 34.8940, 24.8339, 39.5135 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(196, 106, 167) }
```


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

```
.border{ border-color:rgb(196, 106, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 106, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 106, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 106, 167);  
box-shadow:4px 4px 4px 4px rgb(196, 106,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 34.8940, 24.8339, 39.5135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 106, 167) }
```

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

```
.background{ background-color: rgb(196,  
106, 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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