

# Converting Colors

XYZ(51.2694, 40.0331, 69.8984)

Have a look what the booklet for  
XYZ(51.2694, 40.0331, 69.8984)  
contains.

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# Color

**XYZ(51.4335, 40.1141,  
69.9977)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DA91D8
RGB	218, 145, 216
RGB Percent	85%, 57%, 85%
CMY	0.1451, 0.4314, 0.1529
CMYK	0.00, 0.33, 0.01, 0.15
HSL	302°, 50%, 71%
HSV	302°, 33%, 85%
XYZ	51.4335, 40.1141, 69.9977
YIQ	174.9210, 20.7170, 37.5570

# Conversions

## Conversions Part 2

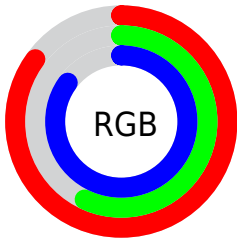
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">218, 145, 216</a>
Decimal	<a href="#">14324184</a>
CIELab	<a href="#">69.55, 38.70, -25.11</a>
CIELCh	<a href="#">70, 46.129, 327.019</a>
Yxy	<a href="#">40.1141, 0.3184, 0.2483</a>
Android (android.graphics.Color)	<a href="#">4292514264 (0xFFDA91D8)</a>
YUV	<a href="#">174.9210, 20.2519, 37.7803</a>
Hunter-Lab	<a href="#">63.3357, 34.1184, -21.1915</a>

# Details

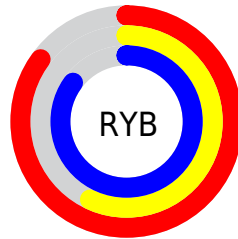
The XYZ color **51.4335, 40.1141, 69.9977** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **42.0166, 58.2705, 36.6388**, and the grayscale version is **40.5989, 42.7132, 46.5147**.

A 20% lighter version of the original color is **79.9443, 69.7886, 103.8648**, and **25.2477, 18.0833, 35.8779** is the 20% darker color. If you saturate the color by 10%, you get **48.3399, 34.0495, 68.5865**, and if you desaturate by 10%, it is **55.1691, 47.4606, 71.6251**.

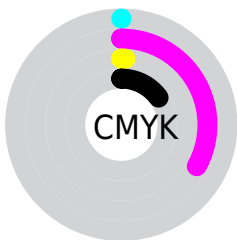
# Distribution



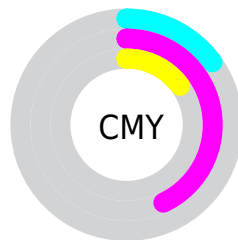
- Red (85%)
- Green (57%)
- Blue (85%)



- Red (85%)
- Yellow (57%)
- Blue (85%)



- Cyan (0%)
- Magenta (33%)
- Yellow (1%)
- Black (15%)




- Cyan (15%)
- Magenta (43%)
- Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.4335, 40.1141, 69.9977 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 51.4335, 40.1141, 69.9977 by changing the saturation by 10% instead.





 51.4335, 40.1141,  
69.9977

 51.4335, 40.1141,  
69.9977


382.6057,  
346.6043, 479.3308

 36.7762, 27.6275,  
51.0479


 91.4744, 75.3372,  
120.8866

 25.2071, 18.0451,  
35.8697


 117.5887, 98.8426,  
153.6627

 16.3610, 10.9823,  
24.0447


148.2527,  
126.7896, 191.8846

 9.8724, 6.0550,  
15.1543

183.8318,  
159.5628, 235.9709

 5.3761, 2.8785,  
8.7799

224.6912,  
197.5464, 286.3402

 2.5066, 1.0687,  
4.5031

271.1965,

 0.8986, 0.0000,

241.1249, 343.4109

1.9052

323.7128,  
290.6828, 407.6016

■ 0.0000, 0.0000,  
0.4960

■ 0.0000, 0.0000,  
0.0000

■ 51.4335, 40.1141,  
69.9977

■ 51.4335, 40.1141,  
69.9977

■ 48.3399, 34.0495,  
68.5865

■ 55.1691, 47.4606,  
71.6251

■ 45.8477, 29.1881,  
67.3768

■ 59.5765, 56.1512,  
73.4774

■ 43.9179, 25.4509,  
66.3558

■ 64.6885, 66.2504,  
75.5660

■ 42.5050, 22.7473,  
65.5086

■ 70.5344, 77.8171,  
77.9006

41.5568, 20.9724,  
64.8177

77.1421, 90.9067,  
80.4905

41.0099, 19.9997,  
64.2619

77.5373, 91.5710,  
81.0110

40.8009, 19.6605,  
63.9496

77.6164, 91.6026,  
81.4275

77.6957, 91.6344,  
81.8455

77.7754, 91.6663,  
82.2650

# Harmonies

## Analogous

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



45.0038, 40.1141, 91.2986



51.4335, 40.1141, 69.9977



54.2758, 40.1141, 45.8434

# Triad

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



51.4335, 40.1141, 69.9977



38.8762, 40.1141, 14.2046



26.7482, 40.1141, 65.0633

# Complementary

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



51.4335, 40.1141, 69.9977



42.0166, 58.2705, 36.6388

# 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.



25.5488, 40.1141, 41.5807



51.4335, 40.1141, 69.9977



31.9895, 40.1141, 16.3976

# Square

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



51.4335, 40.1141, 69.9977



46.4587, 40.1141, 17.5319



27.3400, 40.1141, 24.9524



30.8566, 40.1141, 87.8586



# Rectangle

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



51.4335, 40.1141, 69.9977



53.5110, 40.1141, 32.7479



27.3400, 40.1141, 24.9524



26.0167, 40.1141, 56.8026

# Sweetspot

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



51.4348, 40.1159, 69.9985



87.3355, 84.7508, 105.7745



34.6747, 31.4457, 70.5726



18.4793, 17.7175, 22.5521



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.



51.4348, 40.1159, 69.9985



70.2344, 51.0837, 98.4240



47.3075, 38.4649, 48.2643



13.5982, 13.2684, 16.4112



24.4506, 11.7813, 38.3484



1.5890, 0.7652, 2.5106



# Inverse Universe

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



51.4348, 40.1159, 69.9985



70.2344, 51.0837, 98.4240



45.2678, 59.5709, 53.7595



13.5982, 13.2684, 16.4112



24.4506, 11.7813, 38.3484

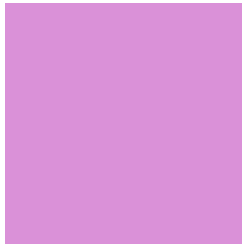


1.5890, 0.7652, 2.5106



# Previews

## White Background



This preview shows how the XYZ color 51.4335, 40.1141, 69.9977 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

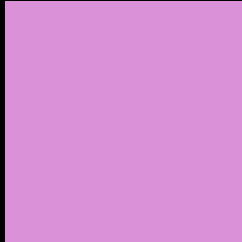
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.4335, 40.1141, 69.9977 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 ✓ Pass

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

**XYZ 51.4335, 40.1141, 69.9977**

## **Background**



This preview shows how black text looks on a background with the XYZ color 51.4335, 40.1141, 69.9977.



This preview shows how white text looks on a background with the XYZ color 51.4335, 40.1141,



# 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

51.4335, 40.1141, 69.9977

### Protanopia

41.4731, 40.4678, 82.7160

### Deuteranopia

41.2194, 40.3902, 67.9110



## Tritanopia

45.5604, 40.0816, 41.8944

# Trichromacy



## Original Color

51.4335, 40.1141, 69.9977



## Protanomaly

44.1151, 39.8016, 78.0304



## Deuteranomaly

44.1755, 39.7907, 68.3029



## Tritanomaly

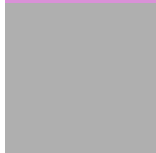
47.5551, 39.9321, 51.1002

# Monochromacy



## Original Color

51.4335, 40.1141, 69.9977



## Achromatopsia

40.7470, 42.8690, 46.6844



## Achromatomaly

44.0556, 41.3450, 54.3736

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.4335, 40.1141, 69.9977 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(218, 145, 216)` looks like.

```
.text, #text, p{  
    color:rgb(218, 145, 216)  
}
```

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(218, 145, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 145, 216) }
```

## Border

The CSS property to change the border of an element to XYZ 51.4335, 40.1141, 69.9977 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(218, 145, 216) }
```



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

```
.border{ border-color:rgb(218, 145, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 145, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(218, 145, 216); -webkit-box-shadow:4px 4px 4px 4px rgb(218, 145, 216); box-shadow:4px 4px 4px 4px rgb(218, 145, 216) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.4335, 40.1141, 69.9977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 145, 216) }
```

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

```
.background{ background-color: rgb(218,  
145, 216) }
```

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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