

# Converting Colors

XYZ(43.3297, 32.2897, 69.1323)

Have a look what the booklet for  
XYZ(43.3297, 32.2897, 69.1323)  
contains.

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# Color

**XYZ(43.4025, 32.4020,  
68.9324)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C680D8
RGB	198, 128, 216
RGB Percent	78%, 50%, 85%
CMY	0.2235, 0.4980, 0.1529
CMYK	0.08, 0.41, 0.00, 0.15
HSL	288°, 53%, 67%
HSV	288°, 41%, 85%
XYZ	43.4025, 32.4020, 68.9324
YIQ	158.9620, 13.4720, 42.2080

# Conversions

## Conversions Part 2

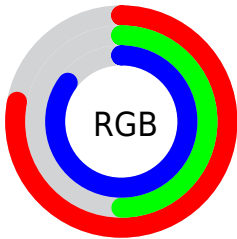
Format	Color
<a href="#">RYB</a>	<a href="#">198, 128, 216</a>
Decimal	<a href="#">13009112</a>
CIELab	<a href="#">63.67, 41.61, -34.36</a>
CIELCh	<a href="#">64, 53.965, 320.448</a>
Yxy	<a href="#">32.4020, 0.2999, 0.2239</a>
Android (android.graphics.Color)	<a href="#">4291199192 (0xFFC680D8)</a>
YUV	<a href="#">158.9620, 28.1197, 34.2363</a>
Hunter-Lab	<a href="#">56.9228, 36.4880, -31.9532</a>

# Details

The XYZ color **43.4025, 32.4020, 68.9324** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **40.3074, 56.7821, 29.2592**, and the grayscale version is **32.8096, 34.5182, 37.5904**.

A 20% lighter version of the original color is **76.0179, 61.9359, 102.5560**, and **20.4146, 13.7206, 35.2906** is the 20% darker color. If you saturate the color by 10%, you get **39.7319, 26.7638, 68.0381**, and if you desaturate by 10%, it is **47.7090, 39.2598, 70.0296**.

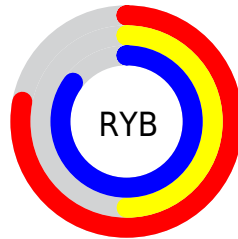
# Distribution



Red (78%)

Green (50%)

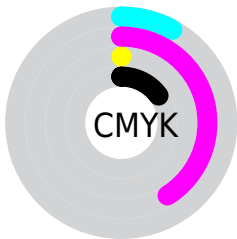
Blue (85%)



Red (78%)

Yellow (50%)

Blue (85%)

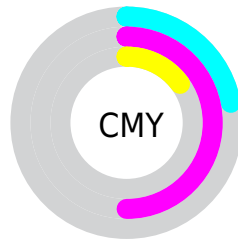


Cyan (8%)

Magenta (41%)

Yellow (0%)

Black (15%)



Cyan (22%)

Magenta (50%)


Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.4025, 32.4020, 68.9324 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 43.4025, 32.4020, 68.9324 by changing the saturation by 10% instead.




 43.4025, 32.4020,  
68.9324

 43.4025, 32.4020,  
68.9324


351.1580,  
312.9464, 475.4800


 30.3969, 21.6687,  
50.1852

 79.5698, 63.4408,  
119.3518

 20.2896, 13.6137,  
35.1884


 103.4623, 84.5151,  
151.8611

 12.7152, 7.8525,  
23.5233


 131.7145,  
109.8052, 189.7950

 7.3084, 4.0007,  
14.7715

164.6917,  
139.6954, 233.5718

 3.7037, 1.6740,  
8.5143

202.7593,  
174.5703, 283.6101

 1.5359, 0.4067,  
4.3333

246.2826,

 0.3501, 0.0000,

214.8142, 340.3286

1.8099

295.6271,  
260.8114, 404.1457

■ 0.0000, 0.0000,  
0.4345

■ 0.0000, 0.0000,  
0.0000

■ 43.4025, 32.4020,  
68.9324

■ 43.4025, 32.4020,  
68.9324

■ 39.7319, 26.7638,  
68.0381

■ 47.7090, 39.2598,  
70.0296

■ 36.6551, 22.2641,  
67.3317


■ 52.6832, 47.4032,  
71.3393

■ 34.1302, 18.8184,  
66.7997


■ 58.3590, 56.8983,  
72.8729


■ 32.1078, 16.3287,  
66.4257


■ 64.7667, 67.8056,  
74.6405


 30.5292, 14.6780,  
66.1903


 71.9348, 80.1817,  
76.6515

 29.3683, 13.7081,  
66.0643

 79.0538, 92.4069,  
78.6360

 80.4452, 93.1242,  
78.7011

 81.8725, 93.8600,  
78.7679

 83.3359, 94.6145,  
78.8364

# Harmonies

## Analogous

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



36.1528, 32.4020, 90.3396



43.4025, 32.4020, 68.9324



47.4472, 32.4020, 42.6394

# Triad

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



43.4025, 32.4020, 68.9324



33.2696, 32.4020, 8.1108



19.0983, 32.4020, 51.8912

# Complementary

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



43.4025, 32.4020, 68.9324



40.3074, 56.7821, 29.2592

# 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.



18.5841, 32.4020, 28.8207



43.4025, 32.4020, 68.9324



25.9984, 32.4020, 8.9021

# Square

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



43.4025, 32.4020, 68.9324



40.9979, 32.4020, 11.9512



20.9044, 32.4020, 14.8746



22.4465, 32.4020, 78.0313



# Rectangle

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



43.4025, 32.4020, 68.9324



47.3946, 32.4020, 28.2645



20.9044, 32.4020, 14.8746



18.6123, 32.4020, 43.3704

# Sweetspot

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



43.4036, 32.4034, 68.9331



83.7879, 80.8387, 105.7951



31.7422, 30.4368, 69.1681



17.6920, 16.8957, 22.5787



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.



43.4036, 32.4034, 68.9331



58.4936, 39.9294, 99.2319



45.4504, 33.8032, 53.4589



12.6927, 12.4985, 15.6810



17.4740, 8.1607, 39.1073



1.1182, 0.5253, 2.3618



# Inverse Universe

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



41.2275, 32.1140, 31.2213



55.1969, 39.6256, 36.0180



39.2034, 55.9995, 38.8524



12.5261, 12.4619, 13.4447



17.0645, 8.7621, 2.3778



1.0596, 0.5406, 0.3031



# Previews

## White Background



This preview shows how the XYZ color 43.4025, 32.4020, 68.9324 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

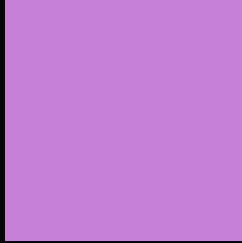
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 43.4025, 32.4020, 68.9324 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

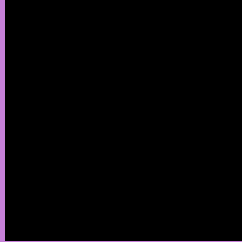
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 43.4025, 32.4020, 68.9324**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.4025, 32.4020, 68.9324.



This preview shows how white text looks on a background with the XYZ color 43.4025, 32.4020,



# 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

43.4025, 32.4020, 68.9324

### Protanopia

34.6811, 32.8146, 83.1032

### Deuteranopia

33.3026, 32.4780, 66.1417



## Tritanopia

36.4090, 32.4647, 34.4843

# Trichromacy



## Original Color

43.4025, 32.4020, 68.9324

## Protanomaly

36.7749, 31.9218, 77.6221

## Deuteranomaly

36.1308, 31.8199, 67.1884

## Tritanomaly

38.5204, 32.2324, 45.2655

# Monochromacy



## Original Color

43.4025, 32.4020, 68.9324

## Achromatopsia

32.9542, 34.6704, 37.7561

## Achromatomaly

36.0617, 33.3593, 47.7184

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.4025, 32.4020, 68.9324 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(198, 128, 216)` looks like.

```
.text, #text, p{  
    color:rgb(198, 128, 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(198, 128, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 128, 216) }
```

## Border

The CSS property to change the border of an element to XYZ 43.4025, 32.4020, 68.9324 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(198, 128, 216) }
```



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

```
.border{ border-color:rgb(198, 128, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 128, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 128, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 128, 216);  
box-shadow:4px 4px 4px 4px rgb(198, 128,  
216) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.4025, 32.4020, 68.9324 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 128, 216) }
```

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

```
.background{ background-color: rgb(198,  
128, 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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