

Converting Colors

XYZ(40.3420, 32.6542, 71.6733)

Have a look what the booklet for
XYZ(40.3420, 32.6542, 71.6733)
contains.

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Color

**XYZ(40.4543, 32.6423,
71.8786)**

Conversions

Conversions Part 1

Format	Color
Hex	B389DC
RGB	179, 137, 220
RGB Percent	70%, 54%, 86%
CMY	0.2980, 0.4627, 0.1373
CMYK	0.19, 0.38, 0.00, 0.14
HSL	270°, 54%, 70%
HSV	270°, 38%, 86%
XYZ	40.4543, 32.6423, 71.8786
YIQ	159.0200, -1.6110, 34.7170

Conversions

Conversions Part 2

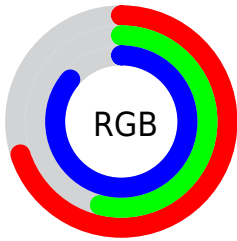
Format	Color
R _Y B	179, 137, 220
Decimal	11766236
CIE _{Lab}	63.87, 31.84, -36.44
CIE _{LCh}	64, 48.388, 311.147
Yxy	32.6423, 0.2790, 0.2252
Android (android.graphics.Color)	4289956316 (0xFFB389DC)
YUV	159.0200, 30.0631, 17.5225
Hunter-Lab	57.1334, 26.4064, -34.5983

Details

The XYZ color **40.4543, 32.6423, 71.8786** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **48.4696, 62.4583, 33.1693**, and the grayscale version is **32.8322, 34.5420, 37.6163**.

A 20% lighter version of the original color is **71.2729, 62.3145, 102.8791**, and **18.5768, 13.7322, 37.2688** is the 20% darker color. If you saturate the color by 10%, you get **35.2266, 25.7692, 70.8280**, and if you desaturate by 10%, it is **46.5198, 40.8952, 73.1524**.

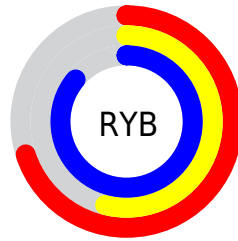
Distribution



Red (70%)

Green (54%)

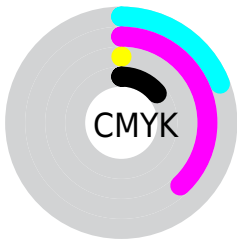
Blue (86%)



Red (70%)

Yellow (54%)

Blue (86%)

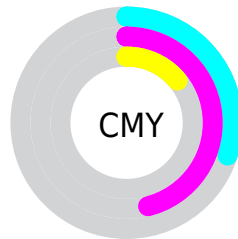


Cyan (19%)

Magenta (38%)

Yellow (0%)

Black (14%)



Cyan (30%)

Magenta (46%)

Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.4543, 32.6423, 71.8786 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 40.4543, 32.6423, 71.8786 by changing the saturation by 10% instead.

40.4543, 32.6423,
71.8786

40.4543, 32.6423,
71.8786

339.1363,
314.0348, 486.0851

28.0787, 21.8526,
52.5733

75.1348, 63.8167,
123.5900

18.5258, 13.7486,
37.0768

98.1704, 84.9701,
156.8332

11.4301, 7.9460,
24.9707

125.4900,
110.3469, 195.5595

6.4263, 4.0604,
15.8364

157.4590,
140.3314, 240.1873

3.1491, 1.7074,
9.2554

194.4428,
175.3080, 291.1352

1.2331, 0.4285,
4.8091

236.8068,

0.1323, 0.0000,

215.6612, 348.8218

2.0789

284.9161,
261.7754, 413.6656

■ 0.0000, 0.0000,
0.6032

■ 0.0000, 0.0000,
0.0000

■ 40.4543, 32.6423,
71.8786

■ 40.4543, 32.6423,
71.8786

■ 35.2266, 25.7692,
70.8280

■ 46.5198, 40.8952,
73.1524

■ 30.7898, 20.1916,
69.9853

■ 53.4598, 50.5977,
74.6594

■ 27.0971, 15.8219,
69.3365

■ 61.3127, 61.8194,
76.4115

■ 24.0943, 12.5594,
68.8650

■ 70.1137, 74.6241,
78.4192

■ 21.7189, 10.2861,
68.5514

■ 79.8956, 89.0721,
80.6924

■ 19.8857, 8.8398,
68.3689

■ 86.0585, 95.9575,
81.6966

■ 19.5150, 8.5680,
68.3360

■ 89.9184, 97.9474,
81.8772

Harmonies

Analogous

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



33.6241, 32.6423, 86.4312



40.4543, 32.6423, 71.8786



45.1258, 32.6423, 49.0754

Triad

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



40.4543, 32.6423, 71.8786



35.4478, 32.6423, 10.5689



19.8788, 32.6423, 43.2887

Complementary

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



40.4543, 32.6423, 71.8786



48.4696, 62.4583, 33.1693

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.



20.2188, 32.6423, 24.7578



40.4543, 32.6423, 71.8786



28.5644, 32.6423, 9.9989

Square

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



40.4543, 32.6423, 71.8786



41.9562, 32.6423, 16.1496



23.1890, 32.6423, 14.1356



22.1802, 32.6423, 66.3343

Rectangle

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



40.4543, 32.6423, 71.8786



46.0293, 32.6423, 34.7969



23.1890, 32.6423, 14.1356



19.6978, 32.6423, 36.2975

Sweetspot

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



40.4554, 32.6436, 71.8793



81.8302, 80.8569, 105.9018



39.2560, 42.5270, 73.8502



17.1904, 16.8420, 22.5947



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.



40.4554, 32.6436, 71.8793



50.8368, 38.0981, 99.2820



51.3800, 38.2754, 72.3906



12.9636, 12.9393, 16.4664



11.5820, 5.0949, 40.1114



0.8497, 0.3813, 2.6033

Inverse Universe

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



46.4977, 36.3225, 46.6809



60.7251, 44.1175, 58.0985



40.4261, 58.3117, 32.7928



13.3228, 13.1582, 14.9613



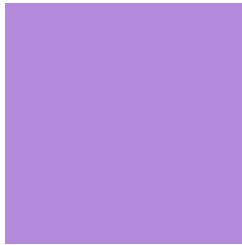
18.9880, 9.5963, 9.5830



1.2736, 0.6391, 0.8498

Previews

White Background



This preview shows how the XYZ color 40.4543, 32.6423, 71.8786 looks on a white background.

Color Contrast Check

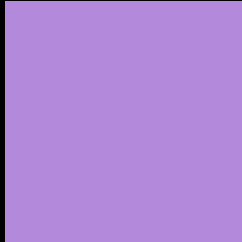
Large Text (above 18pt) WCAG AA × Fail

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 40.4543, 32.6423, 71.8786 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

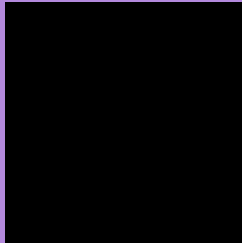
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.4543, 32.6423, 71.8786

Background



This preview shows how black text looks on a background with the XYZ color 40.4543, 32.6423, 71.8786.



This preview shows how white text looks on a background with the XYZ color 40.4543, 32.6423,

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

40.4543, 32.6423, 71.8786

Protanopia

34.5461, 32.7947, 80.8532

Deuteranopia

33.7471, 32.8606, 70.2097



Tritanopia

33.5427, 32.5031, 38.2241

Trichromacy



Original Color

40.4543, 32.6423, 71.8786

Protanomaly

36.2914, 32.5799, 77.7746

Deuteranomaly

35.6663, 32.4134, 70.7063

Tritanomaly

35.8025, 32.5124, 48.6445

Monochromacy



Original Color

40.4543, 32.6423, 71.8786

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

35.1330, 33.5764, 48.3452

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.4543, 32.6423, 71.8786 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(179, 137, 220)` looks like.

```
.text, #text, p{  
    color:rgb(179, 137, 220)  
}
```

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(179, 137, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 137, 220) }
```

Border

The CSS property to change the border of an element to XYZ 40.4543, 32.6423, 71.8786 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(179, 137, 220) }
```


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

```
.border{ border-color:rgb(179, 137, 220) }
```

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

Here you see how a box with a 4 pixel rgb(179, 137, 220) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 137, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 137, 220);  
box-shadow:4px 4px 4px 4px rgb(179, 137,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 40.4543, 32.6423, 71.8786 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 137, 220) }
```

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

```
.background{ background-color: rgb(179,  
137, 220) }
```

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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