

Converting Colors

XYZ(44.8210, 40.1803, 63.9080)

Have a look what the booklet for
XYZ(44.8210, 40.1803, 63.9080)
contains.

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Color

**XYZ(44.7739, 40.1997,
63.7920)**

Conversions

Conversions Part 1

Format	Color
Hex	BE9FCE
RGB	190, 159, 206
RGB Percent	75%, 62%, 81%
CMY	0.2549, 0.3765, 0.1922
CMYK	0.08, 0.23, 0.00, 0.19
HSL	280°, 32%, 72%
HSV	280°, 23%, 81%
XYZ	44.7739, 40.1997, 63.7920
YIQ	173.6270, 3.3890, 21.1890

Conversions

Conversions Part 2

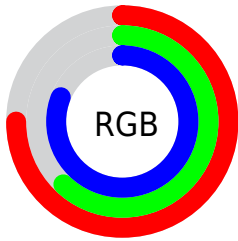
Format	Color
R_{YB}	190, 159, 206
Decimal	12492750
CIE _{Lab}	69.61, 20.03, -19.75
CIE _{LCh}	70, 28.126, 315.407
Yxy	40.1997, 0.3010, 0.2702
Android (android.graphics.Color)	4290682830 (0xFFBE9FCE)
YUV	173.6270, 15.9599, 14.3591
Hunter-Lab	63.4032, 15.0969, -15.2713

Details

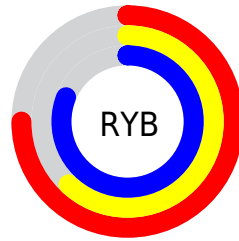
The XYZ color **44.7739, 40.1997, 63.7920** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **46.0100, 55.7609, 41.1408**, and the grayscale version is **39.9616, 42.0427, 45.7845**.

A 20% lighter version of the original color is **80.4543, 75.0873, 104.8606**, and **21.0785, 18.0166, 32.0724** is the 20% darker color. If you saturate the color by 10%, you get **39.8130, 32.8153, 62.6288**, and if you desaturate by 10%, it is **50.4120, 48.8116, 65.1577**.

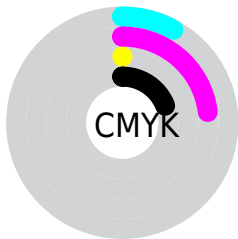
Distribution



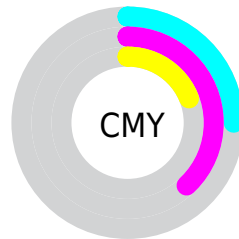
- Red (75%)
- Green (62%)
- Blue (81%)



- Red (75%)
- Yellow (62%)
- Blue (81%)



- Cyan (8%)
- Magenta (23%)
- Yellow (0%)
- Black (19%)



- Cyan (25%)
- Magenta (38%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 44.7739, 40.1997, 63.7920 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 44.7739, 40.1997, 63.7920 by changing the saturation by 10% instead.

■ 44.7739, 40.1997,
63.7920

■ 44.7739, 40.1997,
63.7920

356.6562,
346.9646, 456.6250

■ 31.4799, 27.6943,
46.0371

■ 81.6202, 75.4675,
111.9079

■ 21.1182, 18.0953,
31.9262

■ 105.9032, 98.9987,
143.1060

■ 13.3234, 11.0185,
21.0408

134.5798,
126.9739, 179.6223

■ 7.7301, 6.0792,
12.9623

168.0156,
159.7776, 221.8753

■ 3.9731, 2.8933,
7.2722

206.5757,
197.7941, 270.2835

■ 1.6869, 1.0763,
3.5519

250.6256,

■ 0.4481, 0.0000,

241.4078, 325.2655

1.3829

300.5307,
291.0032, 387.2398

■ 0.0000, 0.0000,
0.1283

■ 0.0000, 0.0000,
0.0000

■ 44.7739, 40.1997,
63.7920

■ 44.7739, 40.1997,
63.7920

■ 39.8130, 32.8153,
62.6288

■ 50.4120, 48.8116,
65.1577

■ 35.4950, 26.5943,
61.6556

■ 56.7518, 58.7010,
66.7324

■ 31.7883, 21.4743,
60.8627

■ 63.8213, 69.9210,
68.5255

■ 28.6569, 17.3848,
60.2384

■ 71.6455, 82.5205,
70.5451

26.0603, 14.2472,
59.7696

77.9729, 91.9946,
72.0403

23.9524, 11.9709,
59.4413

80.2054, 93.1455,
72.1447

22.2779, 10.4472,
59.2355

82.5288, 94.3432,
72.2535

21.2729, 9.6796,
59.1403

84.9441, 95.5883,
72.3665

87.4522, 96.8814,
72.4839

Harmonies

Analogous

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



40.5770, 40.1997, 72.5952



44.7739, 40.1997, 63.7920



47.3024, 40.1997, 50.3823

Triad

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



44.7739, 40.1997, 63.7920



40.4524, 40.1997, 23.7472



30.3896, 40.1997, 50.7603

Complementary

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



44.7739, 40.1997, 63.7920



46.0100, 55.7609, 41.1408

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.



30.3621, 40.1997, 37.7643



44.7739, 40.1997, 63.7920



35.9342, 40.1997, 23.8085

Square

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



44.7739, 40.1997, 63.7920



44.6764, 40.1997, 28.2611



32.3187, 40.1997, 28.4493



32.3972, 40.1997, 64.1156

Rectangle

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



44.7739, 40.1997, 63.7920



47.5831, 40.1997, 41.4550



32.3187, 40.1997, 28.4493



30.1541, 40.1997, 46.1710

Sweetspot

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



44.7752, 40.2014, 63.7929



87.4172, 88.0009, 106.9862



40.8580, 42.6643, 64.4747



18.5759, 18.6251, 22.8659



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.



44.7752, 40.2014, 63.7929



68.7768, 59.4834, 102.4643



48.1559, 42.0410, 59.5799



11.3022, 11.2051, 14.1375



13.2064, 6.0157, 36.4214



0.7605, 0.3511, 1.8826

Inverse Universe

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



45.5910, 41.0150, 46.0733



70.4123, 61.0737, 68.7822



43.2584, 54.2696, 44.2975



11.3673, 11.2757, 12.4688



16.3979, 8.3697, 4.5478



0.8814, 0.4460, 0.4211

Previews

White Background



This preview shows how the XYZ color 44.7739, 40.1997, 63.7920 looks on a white background.

Color Contrast Check

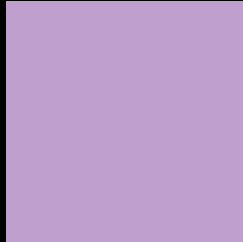
Large Text (above 18pt) WCAG AA × Fail

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 44.7739, 40.1997, 63.7920 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

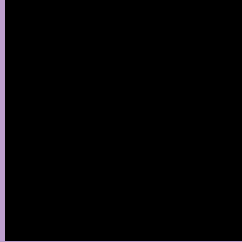
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 44.7739, 40.1997, 63.7920

Background



This preview shows how black text looks on a background with the XYZ color 44.7739, 40.1997, 63.7920.



This preview shows how white text looks on a background with the XYZ color 44.7739, 40.1997,

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

44.7739, 40.1997, 63.7920

Protanopia

40.5101, 40.2829, 68.5911

Deuteranopia

41.2332, 40.2263, 63.3488



Tritanopia

41.4610, 40.1643, 47.1622

Trichromacy



Original Color

44.7739, 40.1997, 63.7920

Protanomaly

41.8826, 40.2213, 66.5288

Deuteranomaly

42.2481, 39.9493, 63.2419

Tritanomaly

42.4909, 40.0363, 53.0652

Monochromacy



Original Color

44.7739, 40.1997, 63.7920

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

41.8733, 41.6244, 52.2817

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.7739, 40.1997, 63.7920 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(190, 159, 206)` looks like.

```
.text, #text, p{  
    color:rgb(190, 159, 206)  
}
```

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(190, 159, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 159, 206) }
```

Border

The CSS property to change the border of an element to XYZ 44.7739, 40.1997, 63.7920 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(190, 159, 206) }
```


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

```
.border{ border-color:rgb(190, 159, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 159, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 159, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 159, 206);  
box-shadow:4px 4px 4px 4px rgb(190, 159,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 44.7739, 40.1997, 63.7920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 159, 206) }
```

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

```
.background{ background-color: rgb(190,  
159, 206) }
```

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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