

Converting Colors

XYZ(48.2419, 40.6112, 87.4118)

Have a look what the booklet for
XYZ(48.2419, 40.6112, 87.4118)
contains.

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Color

**XYZ(48.3557, 40.7596,
87.7568)**

Conversions

Conversions Part 1

Format	Color
Hex	BC9CF0
RGB	188, 156, 240
RGB Percent	74%, 61%, 94%
CMY	0.2627, 0.3882, 0.0588
CMYK	0.22, 0.35, 0.00, 0.06
HSL	263°, 74%, 78%
HSV	263°, 35%, 94%
XYZ	48.3557, 40.7596, 87.7568
YIQ	175.1440, -7.8920, 32.9080

Conversions

Conversions Part 2

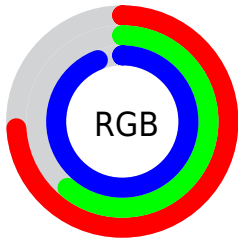
Format	Color
RYB	188, 156, 240
Decimal	12360944
CIELab	70.01, 28.43, -37.84
CIELCh	70, 47.329, 306.924
Yxy	40.7596, 0.2734, 0.2304
Android (android.graphics.Color)	4290551024 (0xFFBC9CF0)
YUV	175.1440, 31.9740, 11.2747
Hunter-Lab	63.8432, 23.4725, -36.8078

Details

The XYZ color **48.3557, 40.7596, 87.7568** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **63.1743, 78.1313, 43.2054**, and the grayscale version is **40.6659, 42.7837, 46.5915**.

A 20% lighter version of the original color is **79.0005, 73.2210, 104.5770**, and **23.2749, 18.3479, 47.6622** is the 20% darker color. If you saturate the color by 10%, you get **41.2459, 31.6957, 86.3827**, and if you desaturate by 10%, it is **56.6408, 51.6122, 89.4156**.

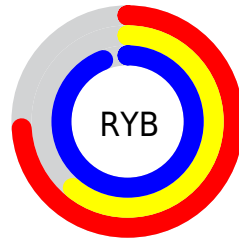
Distribution



Red (74%)

Green (61%)

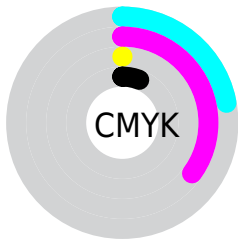
Blue (94%)



Red (74%)

Yellow (61%)

Blue (94%)

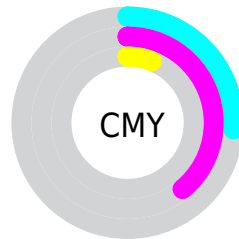


Cyan (22%)

Magenta (35%)

Yellow (0%)

Black (6%)



Cyan (26%)

Magenta (39%)

Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.3557, 40.7596, 87.7568 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 48.3557, 40.7596, 87.7568 by changing the saturation by 10% instead.


 48.3557, 40.7596,
87.7568


 48.3557, 40.7596,
87.7568


370.7595,
349.3149, 541.0871

 34.3211, 28.1313,
65.5585


 86.9403, 76.3188,
146.1267

 23.3044, 18.4247,
47.4599

 112.2209,
100.0185, 183.1353

 14.9404, 11.2553,
33.0424


141.9810,
128.1775, 225.9178

 8.8636, 6.2388,
21.8875

176.5858,
161.1801, 274.8927

 4.7087, 2.9908,
13.5768

216.4006,
199.4107, 330.4786

 2.1104, 1.1270,
7.6915

261.7910,

 0.6948, 0.0008,

243.2538, 393.0939

3.8133

313.1221,
293.0937, 463.1572

■ 0.0000, 0.0000,
1.5235

■ 0.0000, 0.0000,
0.2353

■ 48.3557, 40.7596,
87.7568

■ 48.3557, 40.7596,
87.7568

■ 41.2459, 31.6957,
86.3827

■ 56.6408, 51.6122,
89.4156

■ 35.2486, 24.3156,
85.2743

■ 66.1510, 64.3408,
91.3712

■ 30.3014, 18.5107,
84.4146

■ 76.9382, 79.0324,
93.6384

■ 26.3330, 14.1572,
83.7834

■ 89.0501, 95.7674,
96.2302

■ 23.2619, 11.1117,
83.3575

■ 92.7283, 99.0713,
96.6741

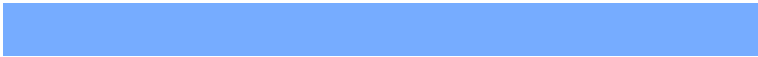
■ 20.9901, 9.1991,
83.1080

■ 20.0851, 8.5373,
83.0280

Harmonies

Analogous

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



40.5571, 40.7596, 101.3418



48.3557, 40.7596, 87.7568



54.0573, 40.7596, 63.2067

Triad

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



48.3557, 40.7596, 87.7568



44.8524, 40.7596, 15.6419



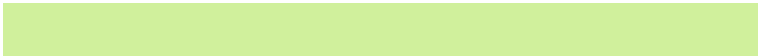
25.7991, 40.7596, 49.7025

Complementary

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



48.3557, 40.7596, 87.7568



63.1743, 78.1313, 43.2054

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.



26.6308, 40.7596, 29.7212



48.3557, 40.7596, 87.7568



36.9795, 40.7596, 14.1500

Square

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



48.3557, 40.7596, 87.7568



51.8544, 40.7596, 23.4338



30.4932, 40.7596, 18.3396



28.0484, 40.7596, 75.1164

Rectangle

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



48.3557, 40.7596, 87.7568



55.5262, 40.7596, 46.7000



30.4932, 40.7596, 18.3396



25.7330, 40.7596, 42.1386

Sweetspot

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



48.3571, 40.7612, 87.7577



81.8769, 81.9238, 106.1052



52.2894, 59.0597, 91.0824



17.1548, 17.0315, 22.6332



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.



48.3571, 40.7612, 87.7577



49.5362, 39.1490, 99.5534



59.8671, 46.6949, 88.2964



15.4664, 15.5222, 19.9025



11.1315, 4.7439, 45.4568



1.0334, 0.4500, 3.7866

Inverse Universe

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



59.2100, 46.8578, 65.5995



63.9774, 47.2737, 69.5050



53.1408, 72.9588, 42.7358



16.1842, 15.9234, 18.5261



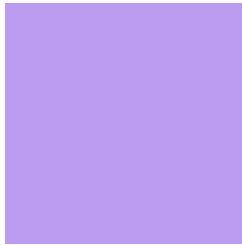
22.6892, 11.3481, 16.8120



1.9358, 0.9634, 1.6530

Previews

White Background



This preview shows how the XYZ color 48.3557, 40.7596, 87.7568 looks on a white background.

Color Contrast Check

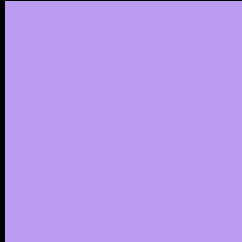
Large Text (above 18pt) WCAG AA × Fail

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 48.3557, 40.7596, 87.7568 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

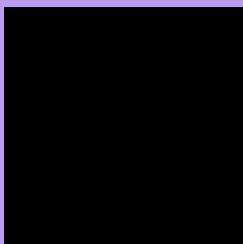
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.3557, 40.7596, 87.7568

Background



This preview shows how black text looks on a background with the XYZ color 48.3557, 40.7596, 87.7568.



This preview shows how white text looks on a background with the XYZ color 48.3557, 40.7596,

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

48.3557, 40.7596, 87.7568

Protanopia

42.7596, 40.8367, 96.0711

Deuteranopia

41.8685, 40.8799, 85.8047



Tritanopia

40.7032, 40.8064, 49.4472

Trichromacy



Original Color

48.3557, 40.7596, 87.7568

Protanomaly

44.4072, 40.6783, 92.7000

Deuteranomaly

43.8123, 40.5105, 86.3991

Tritanomaly

43.2275, 40.7603, 61.4663

Monochromacy



Original Color

48.3557, 40.7596, 87.7568

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

43.1338, 41.8321, 59.8338

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.3557, 40.7596, 87.7568 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(188, 156, 240)` looks like.

```
.text, #text, p{  
    color:rgb(188, 156, 240)  
}
```

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(188, 156, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 156, 240) }
```

Border

The CSS property to change the border of an element to XYZ 48.3557, 40.7596, 87.7568 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(188, 156, 240) }
```


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

```
.border{ border-color:rgb(188, 156, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 156, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 156, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 156, 240);  
box-shadow:4px 4px 4px 4px rgb(188, 156,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 48.3557, 40.7596, 87.7568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 156, 240) }
```

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

```
.background{ background-color: rgb(188,  
156, 240) }
```

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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