

Converting Colors

XYZ(47.4478, 40.0706, 83.1347)

Have a look what the booklet for
XYZ(47.4478, 40.0706, 83.1347)
contains.

XYZ(47.5589, 40.2020, 83.0950)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(47.5589, 40.2020,
83.0950)**

Conversions

Conversions Part 1

Format	Color
Hex	BD9BEA
RGB	189, 155, 234
RGB Percent	74%, 61%, 92%
CMY	0.2588, 0.3921, 0.0823
CMYK	0.19, 0.34, 0.00, 0.08
HSL	266°, 65%, 76%
HSV	266°, 34%, 92%
XYZ	47.5589, 40.2020, 83.0950
YIQ	174.1720, -5.0950, 31.7770

Conversions

Conversions Part 2

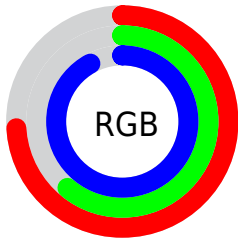
Format	Color
R_{YB}	189, 155, 234
Decimal	12426218
CIE _{Lab}	69.61, 27.93, -35.16
CIE _{LCh}	70, 44.901, 308.459
Yxy	40.2020, 0.2784, 0.2353
Android (android.graphics.Color)	4290616298 (0xFFBD9BEA)
YUV	174.1720, 29.4952, 13.0042
Hunter-Lab	63.4050, 22.9306, -33.3185

Details

The XYZ color **47.5589, 40.2020, 83.0950** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **59.1597, 73.4924, 42.0794**, and the grayscale version is **40.1767, 42.2690, 46.0310**.

A 20% lighter version of the original color is **79.1026, 72.9060, 104.5109**, and **22.7176, 17.9832, 44.3932** is the 20% darker color. If you saturate the color by 10%, you get **40.8798, 31.5279, 81.7734**, and if you desaturate by 10%, it is **55.2992, 50.5452, 84.6841**.

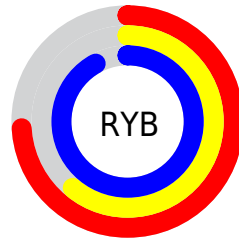
Distribution



Red (74%)

Green (61%)

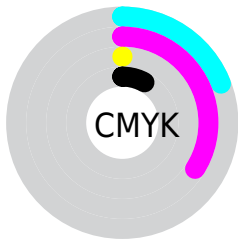
Blue (92%)



Red (74%)

Yellow (61%)

Blue (92%)

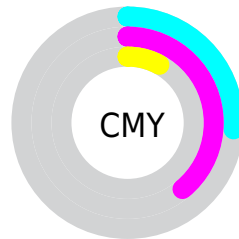


Cyan (19%)

Magenta (34%)

Yellow (0%)

Black (8%)



Cyan (26%)

Magenta (39%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.5589, 40.2020, 83.0950 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 47.5589, 40.2020, 83.0950 by changing the saturation by 10% instead.

47.5589, 40.2020,
83.0950

47.5589, 40.2020,
83.0950

367.6528,
346.9742, 525.2824

33.6875, 27.6961,
61.7275

85.7610, 75.4710,
139.5589

22.8154, 18.0967,
44.3782

110.8223, 99.0029,
175.4924

14.5772, 11.0194,
30.6285

140.3444,
126.9789, 217.1183

8.6076, 6.0799,
20.0601

174.6926,
159.7834, 264.8551

4.5412, 2.8937,
12.2542

214.2321,
197.8008, 319.1213

2.0126, 1.0765,
6.7924

259.3284,

0.6410, 0.0000,

241.4154, 380.3356

3.2561

310.3469,
291.0118, 448.9164

■ 0.0000, 0.0000,
1.2269

■ 0.0000, 0.0000,
0.0007

■ 47.5589, 40.2020,
83.0950

■ 47.5589, 40.2020,
83.0950

■ 40.8798, 31.5279,
81.7734

■ 55.2992, 50.5452,
84.6841

■ 35.2058, 24.4262,
80.7017

■ 64.1447, 62.6370,
86.5519

■ 30.4817, 18.7976,
79.8643

■ 74.1417, 76.5577,
88.7120

■ 26.6442, 14.5293,
79.2427

■ 85.3324, 92.3812,
91.1764

■ 23.6213, 11.4907,
78.8155

■ 91.8514, 98.7206,
92.0564

■ 21.3268, 9.5241,
78.5568

■ 20.1858, 8.6905,
78.4561

Harmonies

Analogous

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



40.2996, 40.2020, 96.3649



47.5589, 40.2020, 83.0950



52.7083, 40.2020, 60.1388

Triad

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



47.5589, 40.2020, 83.0950



43.5641, 40.2020, 16.1387



26.0084, 40.2020, 49.9163

Complementary

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



47.5589, 40.2020, 83.0950



59.1597, 73.4924, 42.0794

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.



26.6500, 40.2020, 30.6836



47.5589, 40.2020, 83.0950



36.1955, 40.2020, 14.9577

Square

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



47.5589, 40.2020, 83.0950



50.2064, 40.2020, 23.3325



30.1757, 40.2020, 19.3526



28.2964, 40.2020, 73.6147

Rectangle

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



47.5589, 40.2020, 83.0950



53.9184, 40.2020, 44.8560



30.1757, 40.2020, 19.3526



25.8950, 40.2020, 42.7079

Sweetspot

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



47.5603, 40.2036, 83.0959



82.3044, 82.1442, 106.1252



49.2762, 54.7226, 85.8079



17.2580, 17.0846, 22.6380



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.



47.5603, 40.2036, 83.0959



51.6495, 40.8382, 99.7681



58.3838, 45.7834, 83.6024



14.8460, 14.8659, 19.0092



11.4810, 4.9546, 44.0942



1.0098, 0.4448, 3.4675

Inverse Universe

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



56.0795, 45.1067, 60.3955



63.8516, 47.8699, 66.8496



50.1562, 68.8510, 41.6580



15.4250, 15.1978, 17.5233



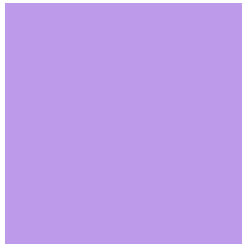
21.5225, 10.8117, 13.8186



1.7381, 0.8682, 1.3382

Previews

White Background



This preview shows how the XYZ color 47.5589, 40.2020, 83.0950 looks on a white background.

Color Contrast Check

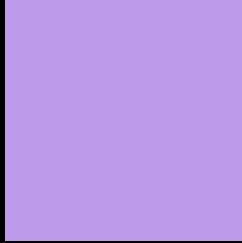
Large Text (above 18pt) WCAG AA × Fail

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 47.5589, 40.2020, 83.0950 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

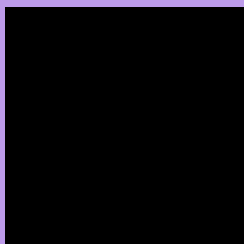
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.5589, 40.2020, 83.0950

Background



This preview shows how black text looks on a background with the XYZ color 47.5589, 40.2020, 83.0950.



This preview shows how white text looks on a background with the XYZ color 47.5589, 40.2020,

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

47.5589, 40.2020, 83.0950

Protanopia

42.1858, 40.6479, 91.2103

Deuteranopia

41.3753, 40.4502, 81.2283



Tritanopia

40.5953, 40.2304, 48.2735

Trichromacy



Original Color

47.5589, 40.2020, 83.0950

Protanomaly

43.7257, 40.1670, 87.8865

Deuteranomaly

43.1797, 40.0199, 81.7927

Tritanomaly

42.7576, 40.0315, 59.5061

Monochromacy



Original Color

47.5589, 40.2020, 83.0950

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

42.3729, 41.2067, 57.9449

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.5589, 40.2020, 83.0950 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(189, 155, 234)` looks like.

```
.text, #text, p{  
    color:rgb(189, 155, 234)  
}
```

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(189, 155, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 155, 234) }
```

Border

The CSS property to change the border of an element to XYZ 47.5589, 40.2020, 83.0950 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(189, 155, 234) }
```


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

```
.border{ border-color:rgb(189, 155, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 155, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 155, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 155, 234);  
box-shadow:4px 4px 4px 4px rgb(189, 155,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 47.5589, 40.2020, 83.0950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 155, 234) }
```

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

```
.background{ background-color: rgb(189,  
155, 234) }
```

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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