

Converting Colors

XYZ(41.3917, 23.9895,
102.8729)

Have a look what the booklet for
XYZ(41.3917, 23.9895, 102.8729)
contains.

XYZ(40.3546, 23.5408, 97.0246)	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(40.3546, 23.5408,
97.0246)**

Conversions

Conversions Part 1

Format	Color
Hex	B555FF
RGB	181, 85, 255
RGB Percent	71%, 33%, 100%
CMY	0.2902, 0.6667, 0.0000
CMYK	0.29, 0.67, 0.00, 0.00
HSL	274°, 100%, 67%
HSV	274°, 67%, 100%
XYZ	40.3546, 23.5408, 97.0246
YIQ	133.0840, 2.6460, 73.2220

Conversions

Conversions Part 2

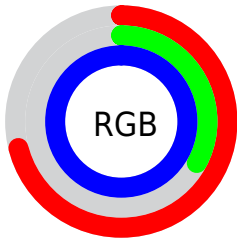
Format	Color
R _Y B	181, 85, 255
Decimal	11884031
CIE Lab	55.63, 67.07, -68.97
CIE LCh	56, 96.202, 314.201
Yxy	23.5408, 0.2508, 0.1463
Android (android.graphics.Color)	4290074111 (0xFFB555FF)
YUV	133.0840, 60.1046, 42.0223
Hunter-Lab	48.5189, 63.5558, -84.6008

Details

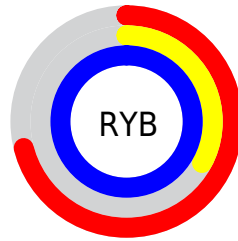
The XYZ color **40.3546, 23.5408, 97.0246** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted purple. A complement of this color would be **51.6977, 79.5468, 21.2242**, and the grayscale version is **22.1135, 23.2651, 25.3357**.

A 20% lighter version of the original color is **63.7037, 44.6769, 99.8737**, and **18.4105, 8.7816, 53.5480** is the 20% darker color. If you saturate the color by 10%, you get **36.1967, 18.9352, 96.3548**, and if you desaturate by 10%, it is **45.4447, 29.7006, 97.9453**.

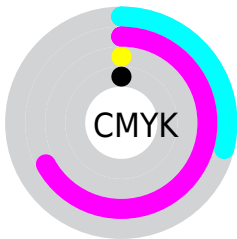
Distribution



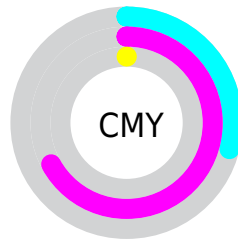
- Red (71%)
- Green (33%)
- Blue (100%)



- Red (71%)
- Yellow (33%)
- Blue (100%)



- Cyan (29%)
- Magenta (67%)
- Yellow (0%)
- Black (0%)



- Cyan (29%)
- Magenta (67%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.3546, 23.5408, 97.0246 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 40.3546, 23.5408, 97.0246 by changing the saturation by 10% instead.

40.3546, 23.5408,
97.0246

40.3546, 23.5408,
97.0246

338.7247,
270.4906, 571.7755

28.0006, 14.9933,
73.2150

74.9841, 49.2798,
159.0783

18.4665, 8.8147,
53.6589

97.9903, 67.2401,
198.1595

11.3872, 4.6205,
37.9377

125.2779, 89.1069,
243.1683

6.3971, 2.0264,
25.6329

157.2123,
115.2644, 294.5232

3.1309, 0.6227,
16.3259

194.1588,
146.0972, 352.6429

1.2234, 0.0000,
9.5982

236.4828,

0.1247, 0.0000,

181.9895, 417.9458

5.0313

284.5497,
223.3259, 490.8505

■ 0.0000, 0.0000,
2.2066

■ 0.0000, 0.0000,
0.6782

■ 40.3546, 23.5408,
97.0246

■ 40.3546, 23.5408,
97.0246

■ 36.1967, 18.9352,
96.3548

■ 45.4447, 29.7006,
97.9453

■ 32.8814, 15.7151,
95.9080

■ 51.5384, 37.5541,
99.1400

■ 30.3017, 13.6730,
95.6498

■ 58.7028, 47.2275,
100.6296

■ 29.5522, 13.1496,
95.5883

■ 66.9978, 58.8341,
102.4327

■ 76.4783, 72.4776,
104.5665

■ 87.1956, 88.2544,
107.0468

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



27.9083, 23.5408, 138.6017



40.3546, 23.5408, 97.0246



49.1387, 23.5408, 45.6453

Triad

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



40.3546, 23.5408, 97.0246



28.5664, 23.5408, 0.2334



7.6062, 23.5408, 43.3149

Complementary

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



40.3546, 23.5408, 97.0246



51.6977, 79.5468, 21.2242

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.



7.6800, 23.5408, 12.5371



40.3546, 23.5408, 97.0246



17.6258, 23.5408, 0.1848

Square

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



40.3546, 23.5408, 97.0246



40.9690, 23.5408, 2.4446



10.7309, 23.5408, 2.2062



10.4802, 23.5408, 94.1831

Rectangle

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



40.3546, 23.5408, 97.0246



50.3893, 23.5408, 21.4895



10.7309, 23.5408, 2.2062



7.3258, 23.5408, 30.2752

Sweetspot

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



40.3556, 23.5416, 97.0248



73.1821, 67.6958, 103.8172



34.6293, 34.8168, 99.5029



15.0918, 13.6658, 22.0923



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.



40.3556, 23.5416, 97.0248



35.0023, 17.7166, 96.1826



61.2002, 34.4420, 91.0142



17.9847, 17.8838, 22.7540



15.6162, 6.9609, 49.9551



1.6459, 0.7424, 4.8698

Inverse Universe

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



50.7467, 30.2606, 35.9668



47.1425, 25.5151, 27.1728



41.5047, 74.2507, 22.6173



18.3377, 18.1184, 20.3956



23.1197, 11.7372, 9.2807



2.3047, 1.1643, 1.1862

Previews

White Background



This preview shows how the XYZ color 40.3546, 23.5408, 97.0246 looks on a white background.

Color Contrast Check

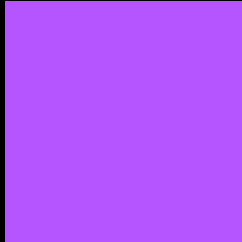
Large Text (above 18pt) WCAG AA ✓ Pass

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 40.3546, 23.5408, 97.0246 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

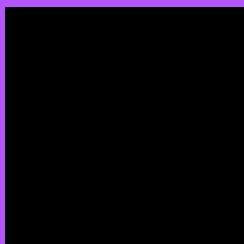
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 40.3546, 23.5408, 97.0246

Background



This preview shows how black text looks on a background with the XYZ color 40.3546, 23.5408, 97.0246.

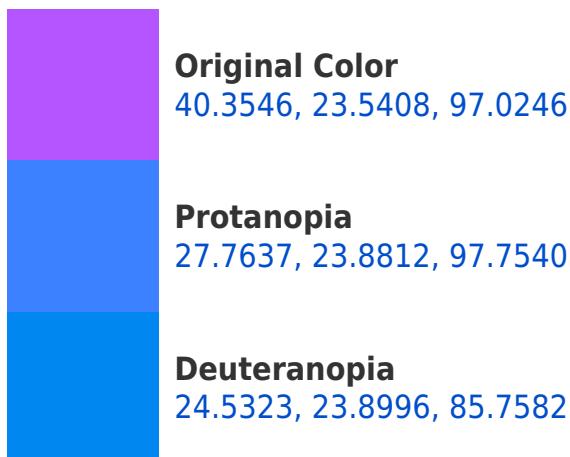


This preview shows how white text looks on a background with the XYZ color 40.3546, 23.5408,

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





Tritanopia

25.6147, 23.2303, 25.3242

Trichromacy



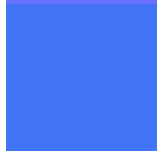
Original Color

40.3546, 23.5408, 97.0246



Protanomaly

29.6640, 21.9733, 97.2855



Deuteranomaly

25.0895, 20.4734, 89.0156



Tritanomaly

29.3408, 22.3271, 44.3581

Monochromacy



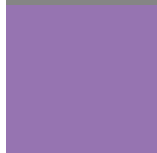
Original Color

40.3546, 23.5408, 97.0246



Achromatopsia

22.2940, 23.4551, 25.5426



Achromatomaly

26.7589, 22.1491, 44.4598

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.3546, 23.5408, 97.0246 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(181, 85, 255)` looks like.

```
.text, #text, p{  
    color:rgb(181, 85, 255)  
}
```

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(181, 85, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 85, 255) }
```

Border

The CSS property to change the border of an element to XYZ 40.3546, 23.5408, 97.0246 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(181, 85, 255) }
```


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

```
.border{ border-color:rgb(181, 85, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 85, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 85, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 85, 255);  
box-shadow:4px 4px 4px 4px rgb(181, 85,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 40.3546, 23.5408, 97.0246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 85, 255) }
```

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

```
.background{ background-color: rgb(181, 85,  
255) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor