

Converting Colors

XYZ(53.0967, 28.4785,
156.8640)

Have a look what the booklet for
XYZ(53.0967, 28.4785, 156.8640)
contains.

XYZ(41.8063, 23.9460, 97.0263)	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(41.8063, 23.9460,
97.0263)**

Conversions

Conversions Part 1

Format	Color
Hex	BC52FF
RGB	188, 82, 255
RGB Percent	74%, 32%, 100%
CMY	0.2627, 0.6784, 0.0000
CMYK	0.26, 0.68, 0.00, 0.00
HSL	277°, 100%, 66%
HSV	277°, 68%, 100%
XYZ	41.8063, 23.9460, 97.0263
YIQ	133.4160, 7.6430, 76.2750

Conversions

Conversions Part 2

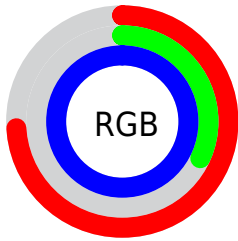
Format	Color
R _Y B	188, 82, 255
Decimal	12342015
CIE Lab	56.03, 69.76, -68.26
CIE LCh	56, 97.604, 315.622
Yxy	23.9460, 0.2568, 0.1471
Android (android.graphics.Color)	4290532095 (0xFFBC52FF)
YUV	133.4160, 59.9409, 47.8702
Hunter-Lab	48.9347, 66.8621, -83.3044

Details

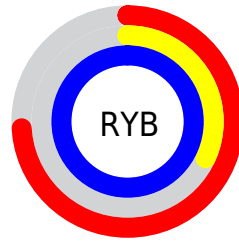
The XYZ color **41.8063, 23.9460, 97.0263** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted purple. A complement of this color would be **49.6777, 78.5189, 20.5207**, and the grayscale version is **22.2333, 23.3912, 25.4730**.

A 20% lighter version of the original color is **65.8499, 45.3534, 99.8912**, and **19.2883, 9.0124, 53.5463** is the 20% darker color. If you saturate the color by 10%, you get **37.8781, 19.5775, 96.3902**, and if you desaturate by 10%, it is **46.6170, 29.8300, 97.9085**.

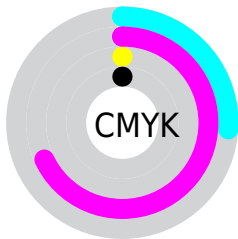
Distribution



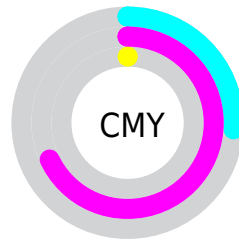
- Red (74%)
- Green (32%)
- Blue (100%)



- Red (74%)
- Yellow (32%)
- Blue (100%)



- Cyan (26%)
- Magenta (68%)
- Yellow (0%)
- Black (0%)





- Cyan (26%)
- Magenta (68%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.8063, 23.9460, 97.0263 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 41.8063, 23.9460, 97.0263 by changing the saturation by 10% instead.


 41.8063, 23.9460,
97.0263

 41.8063, 23.9460,
97.0263


344.6847,
272.5474, 571.7810

 29.1401, 15.2936,
73.2164


 77.1734, 49.9421,
159.0806


 19.3316, 9.0257,
53.6601


 100.6050, 68.0545,
198.1622

 12.0156, 4.7579,
37.9386


 128.3558, 90.0890,
243.1714

 6.8266, 2.1059,
25.6336

 160.7911,
116.4301, 294.5268

 3.3992, 0.6680,
16.3264

198.2762,
147.4621, 352.6469

 1.3682, 0.0000,
9.5986

241.1767,

 0.2334, 0.0000,

183.5693, 417.9503

5.0315

289.8577,
225.1363, 490.8555

■ 0.0000, 0.0000,
2.2067

■ 0.0000, 0.0000,
0.6782

■ 41.8063, 23.9460,
97.0263

■ 41.8063, 23.9460,
97.0263

■ 37.8781, 19.5775,
96.3902

■ 46.6170, 29.8300,
97.9085

■ 34.7422, 16.5527,
95.9716

■ 52.3813, 37.3703,
99.0601

■ 32.2845, 14.6468,
95.7333

■ 59.1657, 46.6942,
100.5023

■ 31.8078, 14.3124,
95.6939

■ 67.0293, 57.9156,
102.2537

■ 76.0264, 71.1385,
104.3318

■ 86.2074, 86.4594,
106.7525

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.



29.0431, 23.9460, 141.3852



41.8063, 23.9460, 97.0263



50.5258, 23.9460, 44.5107

Triad

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



41.8063, 23.9460, 97.0263



28.5169, 23.9460, 0.1442



7.7152, 23.9460, 46.3769

Complementary

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



41.8063, 23.9460, 97.0263



49.6777, 78.5189, 20.5207

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.



7.6568, 23.9460, 13.5935



41.8063, 23.9460, 97.0263



17.4554, 23.9460, 0.1825

Square

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



41.8063, 23.9460, 97.0263



41.3142, 23.9460, 2.1953



10.6074, 23.9460, 2.3815



10.8067, 23.9460, 99.3095

Rectangle

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



41.8063, 23.9460, 97.0263



51.5004, 23.9460, 20.5030



10.6074, 23.9460, 2.3815



7.3848, 23.9460, 32.5705

Sweetspot

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



41.8073, 23.9469, 97.0265



73.9861, 68.1103, 103.8549



32.6292, 31.2123, 98.9126



15.2848, 13.7653, 22.1013



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.



41.8073, 23.9469, 97.0265



36.8066, 18.4858, 96.2359



59.6462, 33.4506, 83.9712



18.0716, 17.9286, 22.7580



16.7924, 7.5673, 50.0102



1.7573, 0.7999, 4.8750

Inverse Universe

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



49.6824, 29.4651, 31.5028



46.2409, 24.9811, 22.9594



41.5066, 74.2207, 24.0189



18.3006, 18.1035, 20.1999



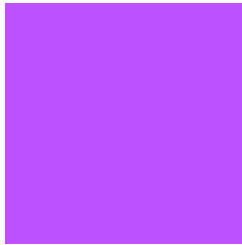
22.7871, 11.6041, 7.5291



2.2703, 1.1505, 1.0046

Previews

White Background



This preview shows how the XYZ color 41.8063, 23.9460, 97.0263 looks on a white background.

Color Contrast Check

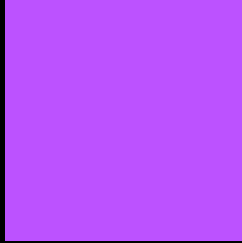
Large Text (above 18pt) WCAG AA ✓ Pass

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 41.8063, 23.9460, 97.0263 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

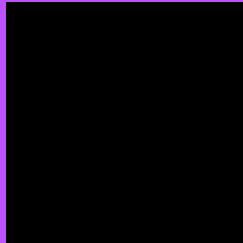
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 41.8063, 23.9460, 97.0263

Background



This preview shows how black text looks on a background with the XYZ color 41.8063, 23.9460, 97.0263.

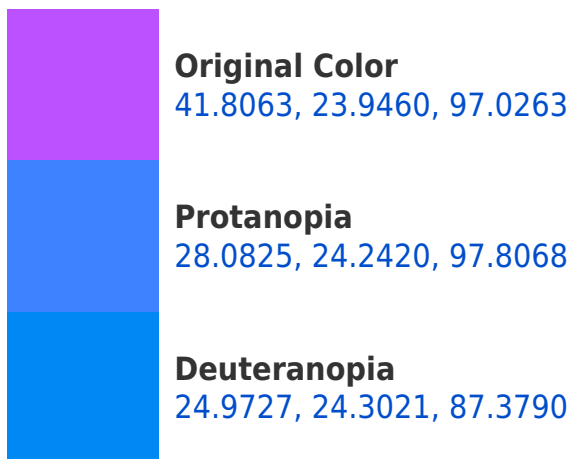


This preview shows how white text looks on a background with the XYZ color 41.8063, 23.9460,

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

26.9926, 23.7733, 24.6388

Trichromacy



Original Color

41.8063, 23.9460, 97.0263



Protanomaly

30.1395, 22.2184, 97.3078



Deuteranomaly

25.5337, 20.6669, 90.6390



Tritanomaly

30.7734, 22.7639, 43.8462

Monochromacy



Original Color

41.8063, 23.9460, 97.0263



Achromatopsia

22.2940, 23.4551, 25.5426



Achromatomaly

27.0900, 21.9813, 44.4100

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.8063, 23.9460, 97.0263 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, 82, 255)` looks like.

```
.text, #text, p{  
  color:rgb(188, 82, 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(188, 82, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 82, 255) }
```

Border

The CSS property to change the border of an element to XYZ 41.8063, 23.9460, 97.0263 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, 82, 255) }
```


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

```
.border{ border-color:rgb(188, 82, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 82, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(188, 82, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(188, 82, 255); box-shadow:4px 4px 4px 4px rgb(188, 82, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 41.8063, 23.9460, 97.0263 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 82, 255) }
```

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

```
.background{ background-color: rgb(188, 82,  
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