

Converting Colors

XYZ(19.5067, 11.2974, 52.9100)

Have a look what the booklet for
XYZ(19.5067, 11.2974, 52.9100)
contains.

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Color

**XYZ(19.4922, 11.3094,
52.7853)**

Conversions

Conversions Part 1

Format	Color
Hex	7A3CC3
RGB	122, 60, 195
RGB Percent	48%, 24%, 76%
CMY	0.5216, 0.7647, 0.2353
CMYK	0.37, 0.69, 0.00, 0.24
HSL	268°, 53%, 50%
HSV	268°, 69%, 76%
XYZ	19.4922, 11.3094, 52.7853
YIQ	93.9280, -6.3830, 55.1290

Conversions

Conversions Part 2

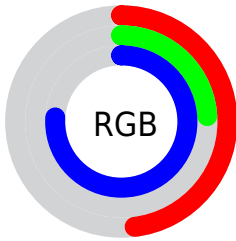
Format	Color
R_{YB}	122, 60, 195
Decimal	8010947
CIE _{Lab}	40.10, 53.06, -60.40
CIE _{LCh}	40, 80.393, 311.301
Yxy	11.3094, 0.2332, 0.1353
Android (android.graphics.Color)	4286201027 (0xFF7A3CC3)
YUV	93.9280, 49.8285, 24.6191
Hunter-Lab	33.6295, 44.6101, -69.5219

Details

The XYZ color **19.4922, 11.3094, 52.7853** is a dark color, and the websafe version is hex **6633CC**. The color can be described as dark muted purple. A complement of this color would be **30.0034, 44.3430, 11.2528**, and the grayscale version is **10.5100, 11.0573, 12.0414**.

A 20% lighter version of the original color is **41.9553, 28.2003, 95.3274**, and **6.9136, 3.0173, 25.0289** is the 20% darker color. If you saturate the color by 10%, you get **17.2396, 8.9011, 52.4394**, and if you desaturate by 10%, it is **22.2842, 14.5544, 53.2647**.

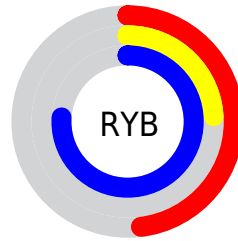
Distribution



Red (48%)

Green (24%)

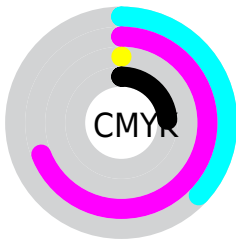
Blue (76%)



Red (48%)

Yellow (24%)

Blue (76%)

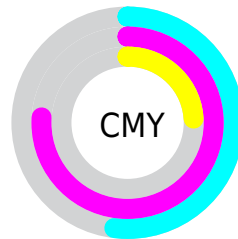


Cyan (37%)

Magenta (69%)

Yellow (0%)

Black (24%)



Cyan (52%)

Magenta (76%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.4922, 11.3094, 52.7853 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 19.4922, 11.3094, 52.7853 by changing the saturation by 10% instead.

■ 19.4922, 11.3094,
52.7853

■ 19.4922, 11.3094,
52.7853

242.0390,
199.7781, 414.5038

■ 12.1326, 6.2753,
37.2449

■ 42.0746, 28.2309,
95.7267

■ 6.9069, 3.0132,
25.0999

■ 58.0282, 40.8871,
123.9647

■ 3.4497, 1.1386,
15.9318

■ 77.5770, 56.8529,
157.2724

■ 1.3958, 0.0107,
9.3221

■ 101.0866, 76.5125,
196.0682

■ 0.2532, 0.0000,
4.8522

■ 128.9222,
100.2505, 240.7707

■ 0.0000, 0.0000,
2.1036

■ 161.4492,

■ 0.0000, 0.0000,

128.4511, 291.7984

0.6179

199.0330,
161.4989, 349.5699

■ 0.0000, 0.0000,
0.0000

■ 19.4922, 11.3094,
52.7853

■ 19.4922, 11.3094,
52.7853

■ 17.2396, 8.9011,
52.4394

■ 22.2842, 14.5544,
53.2647

■ 15.4759, 7.2383,
52.2114

■ 25.6558, 18.7118,
53.8895

■ 14.1193, 6.1650,
52.0758

■ 29.6451, 23.8497,
54.6709

■ 14.0241, 6.0918,
52.0666

■ 34.2859, 30.0291,
55.6191

■ 39.6095, 37.3061,
56.7431

■ 45.6450, 45.7325,
58.0515

■ 52.4196, 55.3571,
59.5521

■ 59.9591, 66.2254,
61.2526

■ 68.2880, 78.3807,
63.1598

Harmonies

Analogous

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



12.9902, 11.3094, 73.6361



19.4922, 11.3094, 52.7853



24.4392, 11.3094, 25.0148

Triad

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



19.4922, 11.3094, 52.7853



14.5660, 11.3094, 0.0000



3.2907, 11.3094, 19.3646

Complementary

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



19.4922, 11.3094, 52.7853



30.0034, 44.3430, 11.2528

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.



3.4561, 11.3094, 4.8600



19.4922, 11.3094, 52.7853



8.7821, 11.3094, 0.0000

Square

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



19.4922, 11.3094, 52.7853



20.9834, 11.3094, 1.1326



5.1120, 11.3094, 0.6108



4.5389, 11.3094, 45.7320

Rectangle

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



19.4922, 11.3094, 52.7853



25.4259, 11.3094, 11.6300



5.1120, 11.3094, 0.6108



3.1984, 11.3094, 13.0244

Sweetspot

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



19.4928, 11.3098, 52.7856



68.8394, 63.9172, 101.1788



20.2737, 22.0204, 54.8118



14.4755, 13.1748, 22.0300



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.



19.4928, 11.3098, 52.7856



29.1756, 14.2805, 93.6885



32.2671, 17.8952, 53.3834



9.9580, 9.9695, 12.6843



9.2095, 4.0081, 33.8449



0.4773, 0.2141, 1.4661

Inverse Universe

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



28.3552, 16.5274, 23.8853



47.1880, 24.9089, 33.8693



22.6285, 40.5411, 10.9077



10.2958, 10.1669, 11.6483



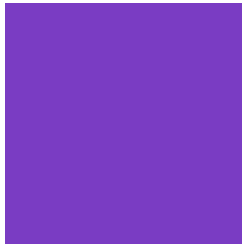
16.3424, 8.2267, 9.7150



0.7406, 0.3692, 0.6013

Previews

White Background



This preview shows how the XYZ color 19.4922, 11.3094, 52.7853 looks on a white background.

Color Contrast Check

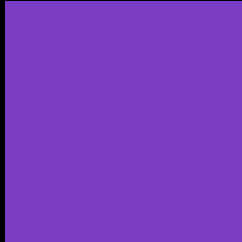
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 19.4922, 11.3094, 52.7853 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

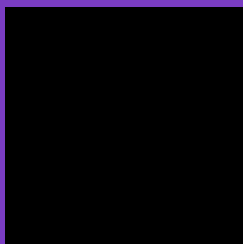
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.4922, 11.3094, 52.7853

Background



This preview shows how black text looks on a background with the XYZ color 19.4922, 11.3094, 52.7853.



This preview shows how white text looks on a background with the XYZ color 19.4922, 11.3094,

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

19.4922, 11.3094, 52.7853

Protanopia

13.3667, 11.3324, 51.9350

Deuteranopia

11.3426, 11.3765, 38.6439



Tritanopia

11.5588, 11.3799, 13.3917

Trichromacy



Original Color

19.4922, 11.3094, 52.7853



Protanomaly

13.6450, 10.1678, 52.2824



Deuteranomaly

12.2449, 10.0905, 43.4218



Tritanomaly

13.4784, 10.7098, 23.9111

Monochromacy



Original Color

19.4922, 11.3094, 52.7853



Achromatopsia

10.6392, 11.1932, 12.1894



Achromatomaly

12.8229, 10.6163, 22.8460

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4922, 11.3094, 52.7853 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(122, 60, 195)` looks like.

```
.text, #text, p{  
    color:rgb(122, 60, 195)  
}
```

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(122, 60, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 60, 195) }
```

Border

The CSS property to change the border of an element to XYZ 19.4922, 11.3094, 52.7853 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(122, 60, 195) }
```


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

```
.border{ border-color:rgb(122, 60, 195) }
```

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

Here you see how a box with a 4 pixel rgb(122, 60, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 60, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 60, 195);  
box-shadow:4px 4px 4px 4px rgb(122, 60,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 19.4922, 11.3094, 52.7853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 60, 195) }
```

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

```
.background{ background-color: rgb(122, 60,  
195) }
```

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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