

Converting Colors

XYZ(19.4275, 11.3656, 52.2216)

Have a look what the booklet for
XYZ(19.4275, 11.3656, 52.2216)
contains.

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Color

**XYZ(19.4324, 11.3701,
52.2094)**

Conversions

Conversions Part 1

Format	Color
Hex	7A3DC2
RGB	122, 61, 194
RGB Percent	48%, 24%, 76%
CMY	0.5216, 0.7608, 0.2392
CMYK	0.37, 0.69, 0.00, 0.24
HSL	268°, 52%, 50%
HSV	268°, 69%, 76%
XYZ	19.4324, 11.3701, 52.2094
YIQ	94.4010, -6.3370, 54.2950

Conversions

Conversions Part 2

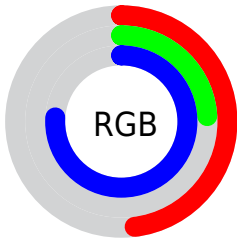
Format	Color
R_{YB}	122, 61, 194
Decimal	8011202
CIE _{Lab}	40.20, 52.33, -59.65
CIE _{LCh}	40, 79.348, 311.259
Yxy	11.3701, 0.2341, 0.1370
Android (android.graphics.Color)	4286201282 (0xFF7A3DC2)
YUV	94.4010, 49.1023, 24.2043
Hunter-Lab	33.7196, 43.8593, -68.1974

Details

The XYZ color **19.4324, 11.3701, 52.2094** 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 **29.8068, 43.9071, 11.3190**, and the grayscale version is **10.6230, 11.1763, 12.1709**.

A 20% lighter version of the original color is **41.9081, 28.3590, 94.5318**, and **6.8619, 3.0313, 24.6495** is the 20% darker color. If you saturate the color by 10%, you get **17.1704, 8.9350, 51.8588**, and if you desaturate by 10%, it is **22.2307, 14.6377, 52.6929**.

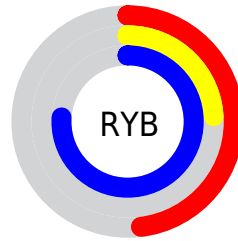
Distribution



Red (48%)

Green (24%)

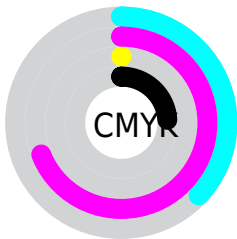
Blue (76%)



Red (48%)

Yellow (24%)

Blue (76%)

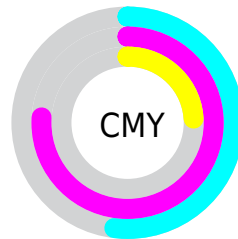


Cyan (37%)

Magenta (69%)

Yellow (0%)

Black (24%)



Cyan (52%)

Magenta (76%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.4324, 11.3701, 52.2094 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 19.4324, 11.3701, 52.2094 by changing the saturation by 10% instead.

■ 19.4324, 11.3701,
52.2094

■ 19.4324, 11.3701,
52.2094

241.7181,
200.1894, 412.2244

■ 12.0890, 6.3163,
36.7886

■ 41.9747, 28.3425,
94.8697

■ 6.8769, 3.0384,
24.7494

■ 57.9044, 41.0300,
122.9463

■ 3.4309, 1.1518,
15.6731

■ 77.4268, 57.0309,
156.0786

■ 1.3855, 0.0218,
9.1413

■ 100.9074, 76.7295,
194.6852

■ 0.2459, 0.0000,
4.7354

■ 128.7114,
100.5102, 239.1845

■ 0.0000, 0.0000,
2.0368

■ 161.2043,

■ 0.0000, 0.0000,

128.7575, 289.9951

0.5778

198.7514,
161.8558, 347.5355

■ 0.0000, 0.0000,
0.0000

■ 19.4324, 11.3701,
52.2094

■ 19.4324, 11.3701,
52.2094

■ 17.1704, 8.9350,
51.8588

■ 22.2307, 14.6377,
52.6929

■ 15.3952, 7.2433,
51.6259

■ 25.6047, 18.8116,
53.3207

■ 14.0331, 6.1546,
51.4875

■ 29.5916, 23.9586,
54.1040

■ 13.8557, 6.0180,
51.4705

■ 34.2247, 30.1387,
55.0527

■ 39.5348, 37.4069,
56.1757

■ 45.5503, 45.8143,
57.4815

■ 52.2983, 55.4085,
58.9777

■ 59.8039, 66.2346,
60.6717

■ 68.0914, 78.3351,
62.5706

Harmonies

Analogous

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



13.0158, 11.3701, 72.5837



19.4324, 11.3701, 52.2094



24.3064, 11.3701, 24.9495

Triad

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



19.4324, 11.3701, 52.2094



14.5909, 11.3701, 0.0000



3.3790, 11.3701, 19.3184

Complementary

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



19.4324, 11.3701, 52.2094



29.8068, 43.9071, 11.3190

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.



3.5470, 11.3701, 4.9535



19.4324, 11.3701, 52.2094



8.8633, 11.3701, 0.0000

Square

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



19.4324, 11.3701, 52.2094



20.9180, 11.3701, 1.2046



5.2073, 11.3701, 0.6751



4.6279, 11.3701, 45.2201

Rectangle

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



19.4324, 11.3701, 52.2094



25.2814, 11.3701, 11.7240



5.2073, 11.3701, 0.6751



3.2869, 11.3701, 13.0602

Sweetspot

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



19.4330, 11.3705, 52.2097



68.8294, 63.9120, 101.1783



20.2081, 21.9791, 54.2165



14.4731, 13.1736, 22.0299



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.



19.4330, 11.3705, 52.2097



29.4783, 14.5767, 93.7297



31.9858, 17.8417, 52.7971



9.9574, 9.9692, 12.6843



9.2020, 4.0042, 33.8445



0.4770, 0.2139, 1.4660

Inverse Universe

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



28.1506, 16.5004, 23.8909



47.3921, 25.1417, 34.4785



22.4938, 40.1371, 10.9767



10.2961, 10.1670, 11.6497



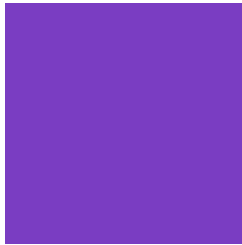
16.3464, 8.2283, 9.7361



0.7407, 0.3693, 0.6022

Previews

White Background



This preview shows how the XYZ color 19.4324, 11.3701, 52.2094 looks on a white background.

Color Contrast Check

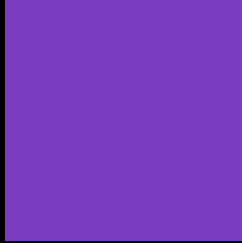
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.4324, 11.3701, 52.2094 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

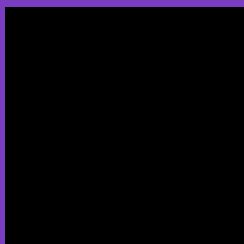
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.4324, 11.3701, 52.2094

Background



This preview shows how black text looks on a background with the XYZ color 19.4324, 11.3701, 52.2094.



This preview shows how white text looks on a background with the XYZ color 19.4324, 11.3701,

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

19.4324, 11.3701, 52.2094

Protanopia

13.5648, 11.5493, 52.5532

Deuteranopia

11.4361, 11.4140, 39.1365



Tritanopia

11.5588, 11.3799, 13.3917

Trichromacy



Original Color

19.4324, 11.3701, 52.2094

Protanomaly

13.7187, 10.3154, 52.3069

Deuteranomaly

12.2449, 10.0905, 43.4218

Tritanomaly

13.5522, 10.8573, 23.9356

Monochromacy



Original Color

19.4324, 11.3701, 52.2094

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

12.7555, 10.5893, 22.4908

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4324, 11.3701, 52.2094 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, 61, 194)` looks like.

```
.text, #text, p{  
    color:rgb(122, 61, 194)  
}
```

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, 61, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 61, 194) }
```

Border

The CSS property to change the border of an element to XYZ 19.4324, 11.3701, 52.2094 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, 61, 194) }
```


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

```
.border{ border-color:rgb(122, 61, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 61, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(122, 61, 194); -webkit-box-shadow:4px 4px 4px 4px rgb(122, 61, 194); box-shadow:4px 4px 4px 4px rgb(122, 61, 194) }
```

Background

The CSS property to change the background color of an element to XYZ 19.4324, 11.3701, 52.2094 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 61, 194) }
```

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

```
.background{ background-color: rgb(122, 61,  
194) }
```

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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