

Converting Colors

XYZ(19.1661, 10.0462, 46.8286)

Have a look what the booklet for
XYZ(19.1661, 10.0462, 46.8286)
contains.

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Color

**XYZ(19.2228, 10.0752,
46.8305)**

Conversions

Conversions Part 1

Format	Color
Hex	8529B9
RGB	133, 41, 185
RGB Percent	52%, 16%, 73%
CMY	0.4784, 0.8392, 0.2745
CMYK	0.28, 0.78, 0.00, 0.27
HSL	278°, 64%, 44%
HSV	278°, 78%, 73%
XYZ	19.2228, 10.0752, 46.8305
YIQ	84.9240, 8.6080, 64.2880

Conversions

Conversions Part 2

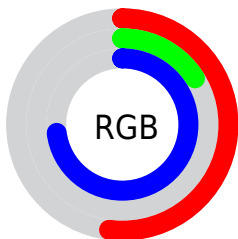
Format	Color
R_{YB}	133, 41, 185
Decimal	8726969
CIE _{Lab}	37.98, 60.83, -57.90
CIE _{LCh}	38, 83.985, 316.412
Yxy	10.0752, 0.2525, 0.1323
Android (android.graphics.Color)	4286917049 (0xFF8529B9)
YUV	84.9240, 49.3375, 42.1627
Hunter-Lab	31.7415, 52.5530, -65.2559

Details

The XYZ color **19.2228, 10.0752, 46.8305** is a dark color, and the websafe version is hex **9933CC**. A complement of this color would be **22.2634, 37.1853, 8.1021**, and the grayscale version is **8.5182, 8.9618, 9.7594**.

A 20% lighter version of the original color is **41.5369, 25.9073, 86.8158**, and **7.1573, 3.2165, 21.7163** is the 20% darker color. If you saturate the color by 10%, you get **17.7054, 8.5562, 46.6175**, and if you desaturate by 10%, it is **21.1088, 12.2305, 47.1473**.

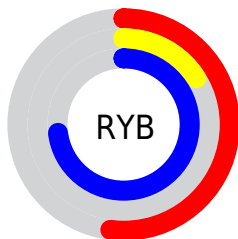
Distribution



Red (52%)

Green (16%)

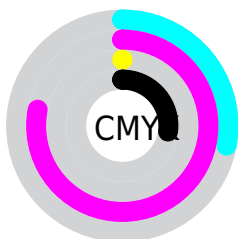
Blue (73%)



Red (52%)

Yellow (16%)

Blue (73%)

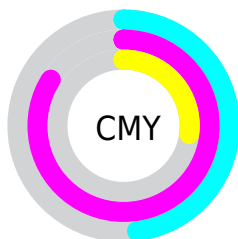


Cyan (28%)

Magenta (78%)

Yellow (0%)

Black (27%)



Cyan (48%)

Magenta (84%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.2228, 10.0752, 46.8305 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 19.2228, 10.0752, 46.8305 by changing the saturation by 10% instead.

■ 19.2228, 10.0752,
46.8305

■ 19.2228, 10.0752,
46.8305

240.5906,
191.2079, 390.5117

■ 11.9363, 5.4488,
32.5483

■ 41.6242, 25.9368,
86.8079

■ 6.7722, 2.5129,
21.5124

■ 57.4699, 37.9409,
113.3401

■ 3.3651, 0.8831,
13.3042

■ 76.8993, 53.1731,
144.7928

■ 1.3497, 0.0000,
7.5051

■ 100.2779, 72.0176,
181.5845

■ 0.2199, 0.0000,
3.6968

■ 127.9709, 94.8590,
224.1337

■ 0.0000, 0.0000,
1.4605

■ 160.3438,

■ 0.0000, 0.0000,

122.0815, 272.8589

0.1882

197.7619,
154.0697, 328.1787

■ 0.0000, 0.0000,
0.0000

■ 19.2228, 10.0752,
46.8305

■ 19.2228, 10.0752,
46.8305

■ 17.7054, 8.5562,
46.6175

■ 21.1088, 12.2305,
47.1473

■ 16.4966, 7.5572,
46.4884

■ 23.4003, 15.0962,
47.5797

■ 16.2550, 7.3682,
46.4646

■ 26.1309, 18.7370,
48.1385

■ 29.3300, 23.2099,
48.8332

■ 33.0242, 28.5664,
49.6724

■ 37.2379, 34.8538,
50.6640

■ 41.9937, 42.1159,
51.8150

■ 47.3131, 50.3938,
53.1325

■ 53.2160, 59.7261,
54.6226

Harmonies

Analogous

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



12.8153, 10.0752, 71.2394



19.2228, 10.0752, 46.8305



23.6068, 10.0752, 19.5315

Triad

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



19.2228, 10.0752, 46.8305



12.2250, 10.0752, 0.0000



2.6754, 10.0752, 21.6835

Complementary

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



19.2228, 10.0752, 46.8305



22.2634, 37.1853, 8.1021

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.



2.6193, 10.0752, 5.3675



19.2228, 10.0752, 46.8305



6.9347, 10.0752, 0.0000

Square

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



19.2228, 10.0752, 46.8305



18.6533, 10.0752, 0.3248



3.8575, 10.0752, 0.5295



4.0581, 10.0752, 49.6081

Rectangle

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



19.2228, 10.0752, 46.8305



24.0205, 10.0752, 7.9763



3.8575, 10.0752, 0.5295



2.5254, 10.0752, 14.6327

Sweetspot

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



19.2233, 10.0756, 46.8307



62.3949, 55.9746, 89.7202



13.6566, 11.9443, 47.4849



12.8840, 11.2261, 19.2094



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



19.2233, 10.0756, 46.8307



30.2192, 14.0593, 83.3256



27.6653, 14.6462, 37.3494



9.0579, 8.9962, 11.3385



11.1500, 5.0593, 31.6419



0.4582, 0.2119, 1.1185

Inverse Universe

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



22.7764, 12.6906, 11.6049



38.2010, 19.7351, 13.1725



19.0845, 35.4979, 10.1489



9.1350, 9.0644, 10.0585



14.3413, 7.3103, 4.4182



0.5357, 0.2698, 0.3147

Previews

White Background



This preview shows how the XYZ color 19.2228, 10.0752, 46.8305 looks on a white background.

Color Contrast Check

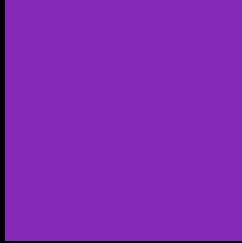
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.2228, 10.0752, 46.8305 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

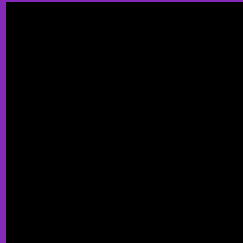
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.2228, 10.0752, 46.8305

Background



This preview shows how black text looks on a background with the XYZ color 19.2228, 10.0752, 46.8305.



This preview shows how white text looks on a background with the XYZ color 19.2228, 10.0752,

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

19.2228, 10.0752, 46.8305

Protanopia

12.0599, 10.2771, 46.6954

Deuteranopia

10.1723, 10.1924, 34.6889



Tritanopia

11.7508, 10.1222, 10.1385

Trichromacy



Original Color

19.2228, 10.0752, 46.8305



Protanomaly

12.0608, 8.4694, 46.3465



Deuteranomaly

10.7629, 8.2580, 38.5628



Tritanomaly

13.4871, 9.4391, 19.5234

Monochromacy



Original Color

19.2228, 10.0752, 46.8305



Achromatopsia

8.6345, 9.0842, 9.8927



Achromatomaly

11.0588, 8.4615, 19.1395

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.2228, 10.0752, 46.8305 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(133, 41, 185)` looks like.

```
.text, #text, p{  
    color:rgb(133, 41, 185)  
}
```

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(133, 41, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 41, 185) }
```

Border

The CSS property to change the border of an element to XYZ 19.2228, 10.0752, 46.8305 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(133, 41, 185) }
```


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

```
.border{ border-color:rgb(133, 41, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 41, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 41, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 41, 185);  
box-shadow:4px 4px 4px 4px rgb(133, 41,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 19.2228, 10.0752, 46.8305 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 41, 185) }
```

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

```
.background{ background-color: rgb(133, 41,  
185) }
```

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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