

Converting Colors

XYZ(19.4190, 12.8746, 40.9967)

Have a look what the booklet for
XYZ(19.4190, 12.8746, 40.9967)
contains.

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Color

**XYZ(19.4190, 12.8746,
40.9967)**

Conversions

Conversions Part 1

Format	Color
Hex	834BAD
RGB	131, 75, 173
RGB Percent	51%, 29%, 68%
CMY	0.4863, 0.7059, 0.3216
CMYK	0.24, 0.57, 0.00, 0.32
HSL	274°, 40%, 49%
HSV	274°, 57%, 68%
XYZ	19.4190, 12.8746, 40.9967
YIQ	102.9160, 1.9180, 42.3500

Conversions

Conversions Part 2

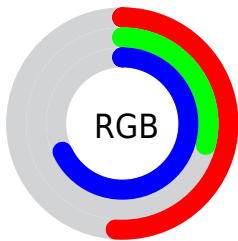
Format	Color
R_{YB}	131, 75, 173
Decimal	8604589
CIE _{Lab}	42.57, 42.01, -43.43
CIE _{LCh}	43, 60.427, 314.050
Yxy	12.8746, 0.2650, 0.1757
Android (android.graphics.Color)	4286794669 (0xFF834BAD)
YUV	102.9160, 34.5514, 24.6297
Hunter-Lab	35.8812, 33.8126, -42.6260

Details

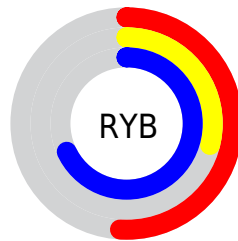
The XYZ color **19.4190, 12.8746, 40.9967** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **23.5499, 34.1773, 12.0127**, and the grayscale version is **12.7817, 13.4474, 14.6442**.

A 20% lighter version of the original color is **41.8534, 31.0180, 77.9099**, and **6.8797, 3.6710, 18.1153** is the 20% darker color. If you saturate the color by 10%, you get **17.2937, 10.2678, 40.6058**, and if you desaturate by 10%, it is **21.9465, 16.1628, 41.4984**.

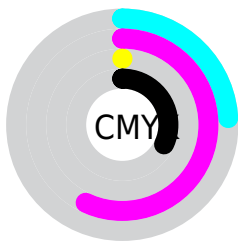
Distribution



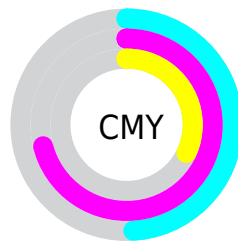
- Red (51%)
- Green (29%)
- Blue (68%)



- Red (51%)
- Yellow (29%)
- Blue (68%)



- Cyan (24%)
- Magenta (57%)
- Yellow (0%)
- Black (32%)



- Cyan (49%)
- Magenta (71%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.4190, 12.8746, 40.9967 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 19.4190, 12.8746, 40.9967 by changing the saturation by 10% instead.

■ 19.4190, 12.8746,
40.9967

■ 19.4190, 12.8746,
40.9967

241.6462,
210.1124, 365.9831

■ 12.0792, 7.3423,
27.9968

■ 41.9523, 31.0783,
77.9325

■ 6.8702, 3.6770,
18.0842

■ 57.8766, 44.5185,
102.7055

■ 3.4267, 1.4946,
10.8404

■ 77.3931, 61.3633,
132.2400

■ 1.3832, 0.2849,
5.8468

■ 100.8672, 81.9973,
166.9544

■ 0.2442, 0.0000,
2.6849

■ 128.6641,
106.8049, 207.2674

■ 0.0000, 0.0000,
0.9358

161.1494,

■ 0.0000, 0.0000,

136.1703, 253.5975

0.0000

198.6883,
170.4780, 306.3632

■ 19.4190, 12.8746,
40.9967

■ 19.4190, 12.8746,
40.9967

■ 17.2937, 10.2678,
40.6058

■ 21.9465, 16.1628,
41.4984

■ 15.5409, 8.2869,
40.3158

■ 24.9000, 20.1789,
42.1179

■ 14.1285, 6.8700,
40.1168

■ 28.3028, 24.9669,
42.8627

■ 13.0115, 5.9298,
39.9942

■ 32.1761, 30.5668,
43.7395

■ 12.6731, 5.6619,
39.9603

■ 36.5397, 37.0158,
44.7543

■ 41.4122, 44.3487,
45.9129

■ 46.8109, 52.5985,
47.2207

■ 52.7526, 61.7963,
48.6829

■ 59.2531, 71.9718,
50.3043

Harmonies

Analogous

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



14.4964, 12.8746, 55.3395



19.4190, 12.8746, 40.9967



22.7783, 12.8746, 22.1322

Triad

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



19.4190, 12.8746, 40.9967



14.8136, 12.8746, 1.0737



5.5393, 12.8746, 21.0577

Complementary

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



19.4190, 12.8746, 40.9967



23.5499, 34.1773, 12.0127

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.



5.5838, 12.8746, 8.1781



19.4190, 12.8746, 40.9967



10.2254, 12.8746, 1.0353

Square

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



19.4190, 12.8746, 40.9967



19.7005, 12.8746, 2.7917



7.0881, 12.8746, 2.5954



6.9459, 12.8746, 39.8023

Rectangle

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



19.4190, 12.8746, 40.9967



23.2603, 12.8746, 12.3149



7.0881, 12.8746, 2.5954



5.3984, 12.8746, 15.8718

Sweetspot

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



19.4195, 12.8751, 40.9970



57.1477, 54.0450, 78.2255



16.8607, 17.3451, 41.9947



12.1175, 11.3052, 16.9311



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



19.4195, 12.8751, 40.9970



30.1129, 17.3849, 72.5743



26.6758, 16.6871, 38.1165



8.0005, 7.9746, 10.0703



9.3766, 4.1937, 29.3598



0.3218, 0.1481, 0.8196

Inverse Universe

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



22.9608, 15.2011, 18.5538



37.6995, 22.3332, 26.0671



19.3509, 31.9854, 13.0442



8.1424, 8.0702, 9.0605



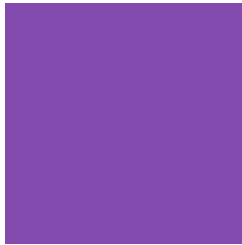
13.5997, 6.9024, 5.5375



0.4061, 0.2031, 0.3002

Previews

White Background



This preview shows how the XYZ color 19.4190, 12.8746, 40.9967 looks on a white background.

Color Contrast Check

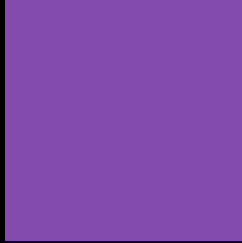
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.4190, 12.8746, 40.9967 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

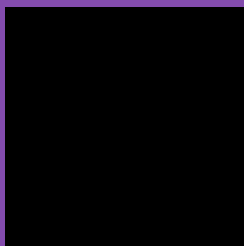
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.4190, 12.8746, 40.9967

Background



This preview shows how black text looks on a background with the XYZ color 19.4190, 12.8746, 40.9967.



This preview shows how white text looks on a background with the XYZ color 19.4190, 12.8746,

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

19.4190, 12.8746, 40.9967

Protanopia

15.3277, 13.2345, 53.9712

Deuteranopia

13.4501, 13.1706, 38.8791



Tritanopia

13.9594, 12.8669, 14.0597

Trichromacy



Original Color

19.4190, 12.8746, 40.9967

Protanomaly

15.6349, 12.4390, 49.1539

Deuteranomaly

14.6501, 12.3956, 39.6506

Tritanomaly

15.4073, 12.5596, 21.6909

Monochromacy



Original Color

19.4190, 12.8746, 40.9967

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

14.6207, 12.8979, 22.1410

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4190, 12.8746, 40.9967 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(131, 75, 173)` looks like.

```
.text, #text, p{  
    color:rgb(131, 75, 173)  
}
```

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(131, 75, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 75, 173) }
```

Border

The CSS property to change the border of an element to XYZ 19.4190, 12.8746, 40.9967 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(131, 75, 173) }
```


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

```
.border{ border-color:rgb(131, 75, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 75, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 75, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 75, 173);  
box-shadow:4px 4px 4px 4px rgb(131, 75,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 19.4190, 12.8746, 40.9967 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 75, 173) }
```

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

```
.background{ background-color: rgb(131, 75,  
173) }
```

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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