

Converting Colors

XYZ(19.6448, 13.1916, 41.2033)

Have a look what the booklet for
XYZ(19.6448, 13.1916, 41.2033)
contains.

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Color

**XYZ(19.5568, 13.1502,
41.0426)**

Conversions

Conversions Part 1

Format	Color
Hex	834DAD
RGB	131, 77, 173
RGB Percent	51%, 30%, 68%
CMY	0.4863, 0.6980, 0.3216
CMYK	0.24, 0.55, 0.00, 0.32
HSL	274°, 38%, 49%
HSV	274°, 55%, 68%
XYZ	19.5568, 13.1502, 41.0426
YIQ	104.0900, 1.3680, 41.3040

Conversions

Conversions Part 2

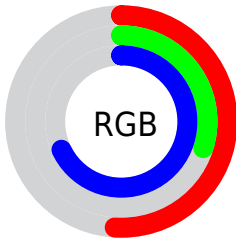
Format	Color
R_{YB}	131, 77, 173
Decimal	8605101
CIE _{Lab}	42.99, 40.92, -42.77
CIE _{LCh}	43, 59.192, 313.735
Yxy	13.1502, 0.2652, 0.1783
Android (android.graphics.Color)	4286795181 (0xFF834DAD)
YUV	104.0900, 33.9726, 23.6001
Hunter-Lab	36.2632, 32.8047, -41.7200

Details

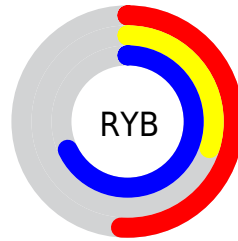
The XYZ color **19.5568, 13.1502, 41.0426** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **23.8911, 34.3451, 12.3917**, and the grayscale version is **13.0944, 13.7763, 15.0024**.

A 20% lighter version of the original color is **42.1117, 31.5346, 77.9960**, and **6.9473, 3.8063, 18.1378** is the 20% darker color. If you saturate the color by 10%, you get **17.3737, 10.4608, 40.6388**, and if you desaturate by 10%, it is **22.1485, 16.5285, 41.5583**.

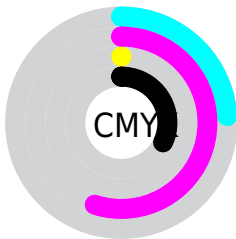
Distribution



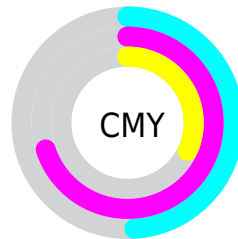
- Red (51%)
- Green (30%)
- Blue (68%)



- Red (51%)
- Yellow (30%)
- Blue (68%)



- Cyan (24%)
- Magenta (55%)
- Yellow (0%)
- Black (32%)



- Cyan (49%)
- Magenta (70%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.5568, 13.1502, 41.0426 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 19.5568, 13.1502, 41.0426 by changing the saturation by 10% instead.

■ 19.5568, 13.1502,
41.0426

■ 19.5568, 13.1502,
41.0426

242.3852,
211.8780, 366.1805

■ 12.1797, 7.5321,
28.0324

■ 42.1825, 31.5734,
78.0029

■ 6.9392, 3.7970,
18.1108

■ 58.1618, 45.1472,
102.7902

■ 3.4701, 1.5607,
10.8593

■ 77.7392, 62.1417,
132.3402

■ 1.4070, 0.3309,
5.8593

■ 101.2801, 82.9412,
167.0715

■ 0.2612, 0.0000,
2.6923

■ 129.1497,
107.9302, 207.4026

■ 0.0000, 0.0000,
0.9396

161.7136,

■ 0.0000, 0.0000,

137.4931, 253.7521

0.0000

199.3369,

172.0143, 306.5386

■ 19.5568, 13.1502,
41.0426

■ 19.5568, 13.1502,
41.0426

■ 17.3737, 10.4608,
40.6388

■ 22.1485, 16.5285,
41.5583

■ 15.5697, 8.4055,
40.3372

■ 25.1721, 20.6417,
42.1929

■ 14.1132, 6.9236,
40.1279

■ 28.6512, 25.5334,
42.9537

■ 12.9640, 5.9375,
39.9981

■ 32.6068, 31.2433,
43.8473

■ 12.5062, 5.5758,
39.9524

■ 37.0585, 37.8083,
44.8799

■ 42.0248, 45.2631,
46.0571

■ 47.5234, 53.6404,
47.3842

■ 53.5707, 62.9713,
48.8666

■ 60.1826, 73.2853,
50.5089

Harmonies

Analogous

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



14.6881, 13.1502, 54.9199



19.5568, 13.1502, 41.0426



22.8908, 13.1502, 22.5238

Triad

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



19.5568, 13.1502, 41.0426



15.1067, 13.1502, 1.2305



5.7924, 13.1502, 21.1118

Complementary

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



19.5568, 13.1502, 41.0426



23.8911, 34.3451, 12.3917

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.



5.8523, 13.1502, 8.3957



19.5568, 13.1502, 41.0426



10.5388, 13.1502, 1.1757

Square

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



19.5568, 13.1502, 41.0426



19.9265, 13.1502, 3.0566



7.3833, 13.1502, 2.7862



7.1931, 13.1502, 39.4873

Rectangle

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



19.5568, 13.1502, 41.0426



23.3897, 13.1502, 12.7509



7.3833, 13.1502, 2.7862



5.6551, 13.1502, 16.0092

Sweetspot

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



19.5573, 13.1507, 41.0429



57.0521, 53.9956, 78.2210



17.3444, 18.0765, 42.1103



12.0947, 11.2934, 16.9301



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.



19.5573, 13.1507, 41.0429



30.1848, 17.6406, 72.6198



26.9743, 17.0270, 39.0086



7.9937, 7.9710, 10.0699



9.2541, 4.1305, 29.3540



0.3188, 0.1465, 0.8195

Inverse Universe

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



23.2175, 15.5243, 19.2257



38.0378, 22.7042, 27.1219



19.5199, 32.0714, 13.1048



8.1453, 8.0714, 9.0760



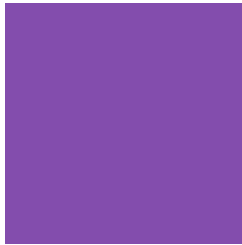
13.6387, 6.9180, 5.7430



0.4072, 0.2036, 0.3062

Previews

White Background



This preview shows how the XYZ color 19.5568, 13.1502, 41.0426 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 19.5568, 13.1502, 41.0426 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

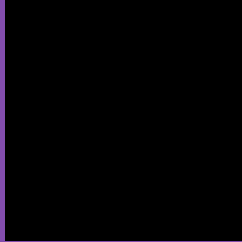
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.5568, 13.1502, 41.0426

Background



This preview shows how black text looks on a background with the XYZ color 19.5568, 13.1502, 41.0426.



This preview shows how white text looks on a background with the XYZ color 19.5568, 13.1502,

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

19.5568, 13.1502, 41.0426

Protanopia

15.4184, 13.4471, 52.8219

Deuteranopia

13.6229, 13.2597, 38.8872



Tritanopia

14.1481, 13.0856, 14.6121

Trichromacy



Original Color

19.5568, 13.1502, 41.0426

Protanomaly

15.7459, 12.6470, 48.0656

Deuteranomaly

14.9164, 12.6623, 39.6881

Tritanomaly

15.5544, 12.7489, 22.0631

Monochromacy



Original Color

19.5568, 13.1502, 41.0426

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

14.9046, 13.1678, 22.5250

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.5568, 13.1502, 41.0426 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, 77, 173)` looks like.

```
.text, #text, p{  
    color:rgb(131, 77, 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, 77, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 77, 173) }
```

Border

The CSS property to change the border of an element to XYZ 19.5568, 13.1502, 41.0426 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, 77, 173) }
```


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

```
.border{ border-color:rgb(131, 77, 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, 77, 173) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 77, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 77, 173);  
box-shadow:4px 4px 4px 4px rgb(131, 77,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 19.5568, 13.1502, 41.0426 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 77, 173) }
```

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

```
.background{ background-color: rgb(131, 77,  
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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