

Converting Colors

XYZ(10.1166, 4.2812, 42.6763)

Have a look what the booklet for
XYZ(10.1166, 4.2812, 42.6763)
contains.

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Color

**XYZ(10.1866, 4.3114,
42.9431)**

Conversions

Conversions Part 1

Format	Color
Hex	3F00B3
RGB	63, 0, 179
RGB Percent	25%, 0%, 70%
CMY	0.7529, 1.0000, 0.2980
CMYK	0.65, 1.00, 0.00, 0.30
HSL	261°, 100%, 35%
HSV	261°, 100%, 70%
XYZ	10.1866, 4.3114, 42.9431
YIQ	39.2430, -19.9110, 69.0250

Conversions

Conversions Part 2

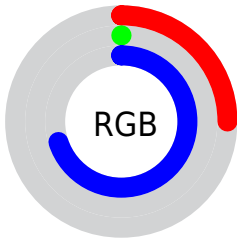
Format	Color
R_{YB}	63, 0, 179
Decimal	4128947
CIE _{Lab}	24.68, 62.18, -76.54
CIE _{LCh}	25, 98.612, 309.089
Yxy	4.3114, 0.1773, 0.0751
Android (android.graphics.Color)	4282319027 (0xFF3F00B3)
YUV	39.2430, 68.9002, 20.8349
Hunter-Lab	20.7639, 51.2338, -108.0865

Details

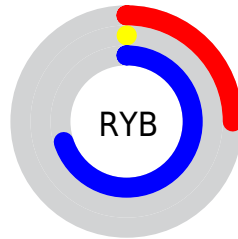
The XYZ color **10.1866, 4.3114, 42.9431** is a dark color, and the websafe version is hex **6600CC**. A complement of this color would be **23.3217, 35.9528, 5.7104**, and the grayscale version is **1.8930, 1.9916, 2.1689**.

A 20% lighter version of the original color is **25.7830, 14.3487, 80.7676**, and **3.7017, 1.4807, 19.4927** is the 20% darker color. If you saturate the color by 10%, you get **10.1871, 4.3117, 42.9433**, and if you desaturate by 10%, it is **11.2224, 5.1641, 43.0533**.

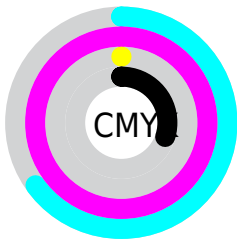
Distribution



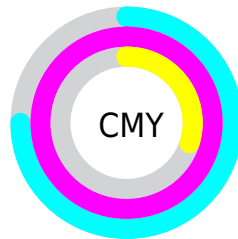
- Red (25%)
- Green (0%)
- Blue (70%)



- Red (25%)
- Yellow (0%)
- Blue (70%)



- Cyan (65%)
- Magenta (100%)
- Yellow (0%)
- Black (30%)



- Cyan (75%)
- Magenta (100%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.1866, 4.3114, 42.9431 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 10.1866, 4.3114, 42.9431 by changing the saturation by 10% instead.

■ 10.1866, 4.3114,
42.9431

■ 10.1866, 4.3114,
42.9431

186.0246,
142.9574, 374.2921

■ 5.5861, 1.8492,
29.5094

■ 25.7924, 14.3107,
80.9104

■ 2.6333, 0.5176,
19.2176

■ 37.5284, 22.6167,
106.2811

■ 0.9630, 0.0000,
11.6492

■ 52.3735, 33.6394,
136.4679

■ 0.0000, 0.0000,
6.3857

■ 70.6932, 47.7632,
171.8893

■ 0.0000, 0.0000,
3.0084

■ 92.8528, 65.3725,
212.9639


■ 0.0000, 0.0000,
1.0989


■ 119.2177, 86.8517,


■ 0.0000, 0.0000,


260.1102

0.0000


 150.1532,
112.5852, 313.7467


 10.1866, 4.3114,
42.9431


 10.1866, 4.3114,
42.9431


 10.1871, 4.3117,
42.9433

 11.2224, 5.1641,
43.0533

 12.6183, 6.4926,
43.2361

 14.4580, 8.4510,
43.5172

 16.7849, 11.1148,
43.9087

 19.6365, 14.5482,
44.4211

■ 23.0465, 18.8080,
45.0636

■ 27.0454, 23.9456,
45.8445

■ 31.6612, 30.0079,
46.7713

■ 36.9203, 37.0387,
47.8512

Harmonies

Analogous

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



5.2900, 4.3114, 63.9656



10.1866, 4.3114, 42.9431



14.5451, 4.3114, 15.9033

Triad

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



10.1866, 4.3114, 42.9431



7.0944, 4.3114, 0.0000



0.2193, 4.3114, 8.5687

Complementary

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



10.1866, 4.3114, 42.9431



23.3217, 35.9528, 5.7104

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.



0.3477, 4.3114, 0.5136



10.1866, 4.3114, 42.9431



3.0998, 4.3114, 0.0000

Square

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



10.1866, 4.3114, 42.9431



12.1487, 4.3114, 0.0000



1.1014, 4.3114, 0.0000



0.7279, 4.3114, 31.5224

Rectangle

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



10.1866, 4.3114, 42.9431



15.6286, 4.3114, 5.0165



1.1014, 4.3114, 0.0000



0.1894, 4.3114, 4.3864

Sweetspot

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



10.1871, 4.3117, 42.9433



48.0483, 42.3803, 82.0290



14.4225, 15.8264, 44.9426



9.9598, 8.5038, 18.0387



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



10.1871, 4.3117, 42.9433



18.0245, 7.6086, 76.8998



21.1137, 9.9446, 43.4546



8.3148, 8.3708, 10.6838



7.2633, 3.0802, 30.3487



0.2933, 0.1303, 0.9579

Inverse Universe

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



21.7424, 10.8445, 17.4681



38.8298, 19.3781, 30.7042



16.5682, 32.4713, 5.3944



8.7205, 8.5949, 10.0264



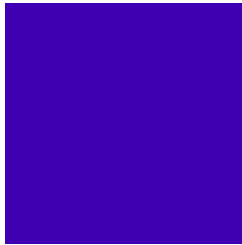
15.3959, 7.6759, 12.5108



0.5108, 0.2521, 0.5327

Previews

White Background



This preview shows how the XYZ color 10.1866, 4.3114, 42.9431 looks on a white background.

Color Contrast Check

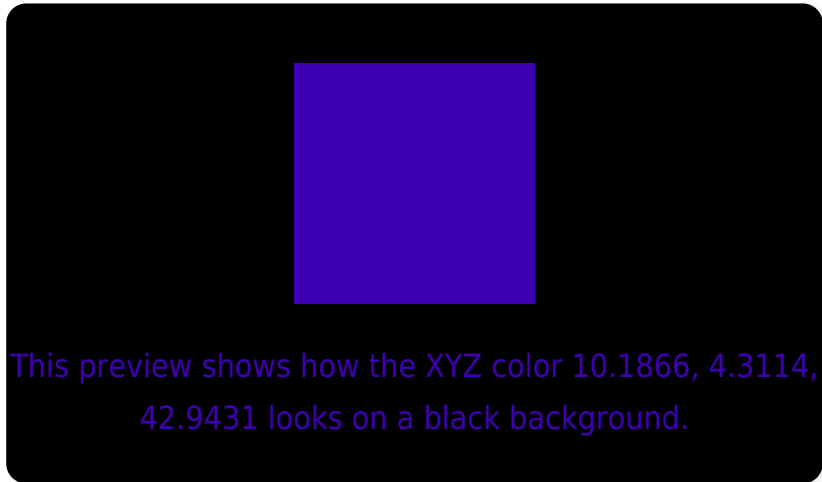
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

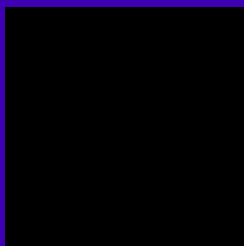
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.1866, 4.3114, 42.9431

Background



This preview shows how black text looks on a background with the XYZ color 10.1866, 4.3114, 42.9431.



This preview shows how white text looks on a background with the XYZ color 10.1866, 4.3114,

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

10.1866, 4.3114, 42.9431

Protanopia

5.2021, 4.5832, 19.6792

Deuteranopia

4.3790, 4.5956, 14.2919



Tritanopia

3.2697, 4.6153, 7.0218

Trichromacy



Original Color

10.1866, 4.3114, 42.9431

Protanomaly

6.0805, 3.5820, 26.7565

Deuteranomaly

5.3458, 3.3932, 22.5635

Tritanomaly

4.1419, 3.0798, 15.7054

Monochromacy



Original Color

10.1866, 4.3114, 42.9431

Achromatopsia

1.9284, 2.0289, 2.2094

Achromatomaly

3.4120, 2.0618, 9.8910

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.1866, 4.3114, 42.9431 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(63, 0, 179)` looks like.

```
.text, #text, p{  
    color:rgb(63, 0, 179)  
}
```

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(63, 0, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 0, 179) }
```

Border

The CSS property to change the border of an element to XYZ 10.1866, 4.3114, 42.9431 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(63, 0, 179) }
```


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

```
.border{ border-color:rgb(63, 0, 179) }
```

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

Here you see how a box with a 4 pixel rgb(63, 0, 179) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 0, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 0, 179);  
box-shadow:4px 4px 4px 4px rgb(63, 0, 179)  
}
```

Background

The CSS property to change the background color of an element to XYZ 10.1866, 4.3114, 42.9431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 0, 179) }
```

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

```
.background{ background-color: rgb(63, 0,  
179) }
```

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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