

Converting Colors

XYZ(15.8311, 8.7976, 42.8005)

Have a look what the booklet for
XYZ(15.8311, 8.7976, 42.8005)
contains.

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Color

**XYZ(15.9029, 8.8390,
42.9874)**

Conversions

Conversions Part 1

Format	Color
Hex	7130B2
RGB	113, 48, 178
RGB Percent	44%, 19%, 70%
CMY	0.5569, 0.8118, 0.3020
CMYK	0.37, 0.73, 0.00, 0.30
HSL	270°, 58%, 44%
HSV	270°, 73%, 70%
XYZ	15.9029, 8.8390, 42.9874
YIQ	82.2550, -2.9900, 54.2100

Conversions

Conversions Part 2

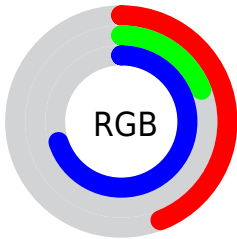
Format	Color
R_{YB}	113, 48, 178
Decimal	7418034
CIE _{Lab}	35.67, 52.79, -57.63
CIE _{LCh}	36, 78.155, 312.491
Yxy	8.8390, 0.2348, 0.1305
Android (android.graphics.Color)	4285608114 (0xFF7130B2)
YUV	82.2550, 47.2023, 26.9634
Hunter-Lab	29.7305, 43.4518, -64.9164

Details

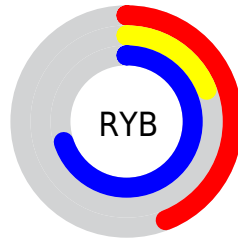
The XYZ color **15.9029, 8.8390, 42.9874** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **23.2639, 35.5650, 8.4351**, and the grayscale version is **7.9803, 8.3959, 9.1431**.

A 20% lighter version of the original color is **36.1301, 23.6585, 81.2596**, and **5.2690, 2.2960, 19.2342** is the 20% darker color. If you saturate the color by 10%, you get **14.2262, 7.1024, 42.7408**, and if you desaturate by 10%, it is **17.9848, 11.2181, 43.3371**.

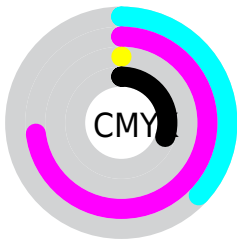
Distribution



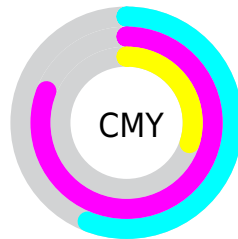
- Red (44%)
- Green (19%)
- Blue (70%)



- Red (44%)
- Yellow (19%)
- Blue (70%)



- Cyan (37%)
- Magenta (73%)
- Yellow (0%)
- Black (30%)



- Cyan (56%)
- Magenta (81%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.9029, 8.8390, 42.9874 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 15.9029, 8.8390, 42.9874 by changing the saturation by 10% instead.

■ 15.9029, 8.8390,
42.9874

■ 15.9029, 8.8390,
42.9874

222.0497,
182.1723, 374.4796

■ 9.5459, 4.6363,
29.5439

■ 35.9884, 23.5875,
80.9780

■ 5.1589, 2.0355,
19.2435

■ 50.4475, 34.9022,
106.3622

■ 2.3765, 0.6280,
11.6678

■ 68.3381, 49.3563,
136.5637

■ 0.8334, 0.0000,
6.3981

■ 90.0254, 67.3342,
172.0010

■ 0.0000, 0.0000,
3.0160

■ 115.8749, 89.2204,
213.0927

■ 0.0000, 0.0000,
1.1028

■ 146.2519,

■ 0.0000, 0.0000,

115.3992, 260.2574

0.0000

181.5217,
146.2550, 313.9135

■ 15.9029, 8.8390,
42.9874

■ 15.9029, 8.8390,
42.9874

■ 14.2262, 7.1024,
42.7408

■ 17.9848, 11.2181,
43.3371

■ 12.9128, 5.9310,
42.5839

■ 20.5049, 14.3029,
43.7997

■ 12.1560, 5.3384,
42.5094

■ 23.4938, 18.1495,
44.3846

■ 26.9787, 22.8082,
45.1002

■ 30.9845, 28.3248,
45.9538

■ 35.5344, 34.7415,
46.9526

■ 40.6501, 42.0978,
48.1029

■ 46.3518, 50.4307,
49.4108

■ 52.6590, 59.7753,
50.8820

Harmonies

Analogous

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



10.4629, 8.8390, 61.5798



15.9029, 8.8390, 42.9874



19.9727, 8.8390, 19.4324

Triad

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



15.9029, 8.8390, 42.9874



11.3527, 8.8390, 0.0000



2.3869, 8.8390, 16.2075

Complementary

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



15.9029, 8.8390, 42.9874



23.2639, 35.5650, 8.4351

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.



2.4746, 8.8390, 3.8382



15.9029, 8.8390, 42.9874



6.6299, 8.8390, 0.0000

Square

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



15.9029, 8.8390, 42.9874



16.7555, 8.8390, 0.6091



3.7314, 8.8390, 0.2709



3.4217, 8.8390, 38.8733

Rectangle

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



15.9029, 8.8390, 42.9874



20.6963, 8.8390, 8.5648



3.7314, 8.8390, 0.2709



2.3011, 8.8390, 10.7675

Sweetspot

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



15.9033, 8.8393, 42.9876



56.6959, 52.0735, 83.4442



15.1601, 15.6532, 44.3420



12.1061, 10.9036, 18.3888



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.



15.9033, 8.8393, 42.9876



24.1826, 11.3942, 77.3059



27.4531, 14.7934, 43.5281



8.4333, 8.4319, 10.6894



8.7703, 3.8571, 30.4192



0.3432, 0.1560, 0.9603

Inverse Universe

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



22.3978, 12.7713, 16.9071



37.7321, 19.5976, 22.8937



17.6730, 32.6828, 8.1734



8.6676, 8.5738, 9.7482



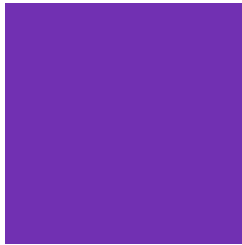
14.4588, 7.3011, 7.5757



0.4844, 0.2415, 0.3934

Previews

White Background



This preview shows how the XYZ color 15.9029, 8.8390, 42.9874 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



This preview shows how the XYZ color 15.9029, 8.8390, 42.9874 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

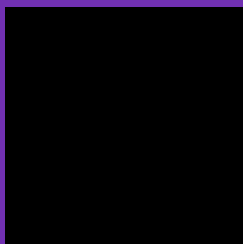
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.9029, 8.8390, 42.9874

Background



This preview shows how black text looks on a background with the XYZ color 15.9029, 8.8390, 42.9874.



This preview shows how white text looks on a background with the XYZ color 15.9029, 8.8390,

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

15.9029, 8.8390, 42.9874

Protanopia

10.3888, 8.8634, 40.1930

Deuteranopia

8.7526, 8.8255, 29.6760



Tritanopia

9.3083, 8.8583, 10.2361

Trichromacy



Original Color

15.9029, 8.8390, 42.9874



Protanomaly

10.6826, 7.7837, 40.9838



Deuteranomaly

9.5770, 7.6442, 34.2284



Tritanomaly

10.9368, 8.3151, 18.7978

Monochromacy



Original Color

15.9029, 8.8390, 42.9874



Achromatopsia

8.0200, 8.4376, 9.1886



Achromatomaly

9.9152, 7.9918, 17.8496

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.9029, 8.8390, 42.9874 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(113, 48, 178)` looks like.

```
.text, #text, p{  
    color:rgb(113, 48, 178)  
}
```

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(113, 48, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 48, 178) }
```

Border

The CSS property to change the border of an element to XYZ 15.9029, 8.8390, 42.9874 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(113, 48, 178) }
```


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

```
.border{ border-color:rgb(113, 48, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 48, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 48, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 48, 178);  
box-shadow:4px 4px 4px 4px rgb(113, 48,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 15.9029, 8.8390, 42.9874 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 48, 178) }
```

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

```
.background{ background-color: rgb(113, 48,  
178) }
```

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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