

Converting Colors

XYZ(10.5101, 5.9304, 14.1625)

Have a look what the booklet for
XYZ(10.5101, 5.9304, 14.1625)
contains.

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Color

**XYZ(10.4815, 5.9102,
14.2240)**

Conversions

Conversions Part 1

Format	Color
Hex	75216A
RGB	117, 33, 106
RGB Percent	46%, 13%, 42%
CMY	0.5412, 0.8706, 0.5843
CMYK	0.00, 0.72, 0.09, 0.54
HSL	308°, 56%, 29%
HSV	308°, 72%, 46%
XYZ	10.4815, 5.9102, 14.2240
YIQ	66.4380, 26.6310, 40.5110

Conversions

Conversions Part 2

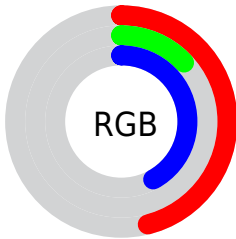
Format	Color
R _Y B	117, 33, 106
Decimal	7676266
CIE Lab	29.18, 45.01, -23.58
CIE LCh	29, 50.811, 332.355
Yxy	5.9102, 0.3424, 0.1930
Android (android.graphics.Color)	4285866346 (0xFF75216A)
YUV	66.4380, 19.5041, 44.3429
Hunter-Lab	24.3109, 34.4151, -17.6722

Details

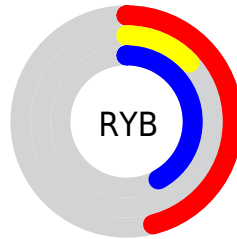
The XYZ color **10.4815, 5.9102, 14.2240** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **7.4434, 13.2280, 4.5442**, and the grayscale version is **5.2145, 5.4861, 5.9743**.

A 20% lighter version of the original color is **26.4333, 17.7363, 34.3780**, and **2.9437, 1.4293, 4.1237** is the 20% darker color. If you saturate the color by 10%, you get **10.1325, 5.3385, 13.7181**, and if you desaturate by 10%, it is **10.9453, 6.7090, 14.7753**.

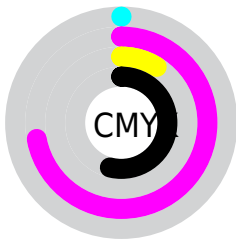
Distribution



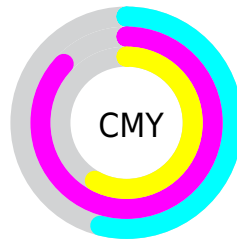
- Red (46%)
- Green (13%)
- Blue (42%)



- Red (46%)
- Yellow (13%)
- Blue (42%)



- Cyan (0%)
- Magenta (72%)
- Yellow (9%)
- Black (54%)



- Cyan (54%)
- Magenta (87%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.4815, 5.9102, 14.2240 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 10.4815, 5.9102, 14.2240 by changing the saturation by 10% instead.

10.4815, 5.9102,
14.2240

10.4815, 5.9102,
14.2240

188.0576,
158.2739, 230.0966

5.7841, 2.7906,
8.1361

26.3388, 17.7445,
34.2088

2.7536, 1.0234,
4.0931

38.2294, 27.2280,
48.9428

1.0249, 0.0000,
1.6766

53.2485, 39.6015,
67.3958

0.0000, 0.0000,
0.3446

71.7613, 55.2495,
89.9865

0.0000, 0.0000,
0.0000

94.1333, 74.5563,
117.1334

120.7298, 97.9064,

149.2550

151.9161,
125.6841, 186.7699

10.4815, 5.9102,
14.2240

10.4815, 5.9102,
14.2240

10.1325, 5.3385,
13.7181

10.9453, 6.7090,
14.7753

9.8854, 4.9684,
13.2530

11.5339, 7.7551,
15.3753

9.7186, 4.7349,
12.8885

12.2567, 9.0676,
16.0271

13.1224, 10.6633,
16.7336

14.1386, 12.5578,
17.4975

■ 15.3125, 14.7654,
18.3212

■ 16.6508, 17.2995,
19.2069

■ 18.1600, 20.1728,
20.1568

■ 19.8459, 23.3973,
21.1729

Harmonies

Analogous

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



8.3141, 5.9102, 24.0085



10.4815, 5.9102, 14.2240



11.2549, 5.9102, 5.9316

Triad

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



10.4815, 5.9102, 14.2240



5.4388, 5.9102, 0.0000



2.6618, 5.9102, 15.7992

Complementary

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



10.4815, 5.9102, 14.2240



7.4434, 13.2280, 4.5442

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.



2.2702, 5.9102, 6.9665



10.4815, 5.9102, 14.2240



3.5778, 5.9102, 0.5171

Square

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



10.4815, 5.9102, 14.2240



7.9144, 5.9102, 0.3711



2.5536, 5.9102, 2.1825



3.8145, 5.9102, 25.2745

Rectangle

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



10.4815, 5.9102, 14.2240



10.7436, 5.9102, 2.7359



2.5536, 5.9102, 2.1825



2.4535, 5.9102, 12.5104

Sweetspot

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



10.4817, 5.9105, 14.2241



25.1665, 22.2039, 31.2226



4.7429, 2.8816, 17.1361



5.6968, 4.9379, 7.1129



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



10.4817, 5.9105, 14.2241



17.8403, 9.0952, 24.0214



8.8402, 5.2539, 5.5800



3.8070, 3.7501, 4.5104



10.7036, 5.2152, 14.1793



51.9353, 25.3242, 67.9139

Inverse Universe

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



10.4817, 5.9105, 14.2241



17.8403, 9.0952, 24.0214



8.6205, 13.6989, 10.7429



3.8070, 3.7501, 4.5104



10.7036, 5.2152, 14.1793



51.9353, 25.3242, 67.9139

Previews

White Background



This preview shows how the XYZ color 10.4815, 5.9102, 14.2240 looks on a white background.

Color Contrast Check

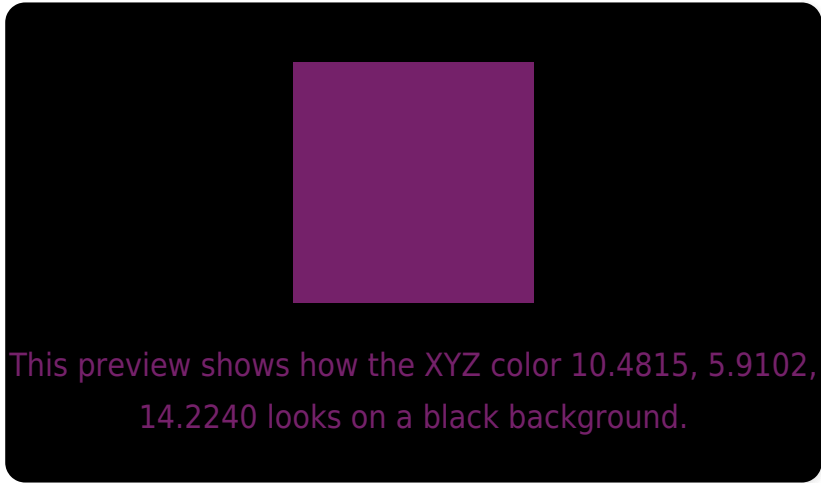
Large Text (above 18pt) WCAG AA ✓ Pass

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

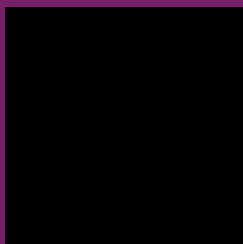
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.4815, 5.9102, 14.2240

Background



This preview shows how black text looks on a background with the XYZ color 10.4815, 5.9102, 14.2240.



This preview shows how white text looks on a background with the XYZ color 10.4815, 5.9102,

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

10.4815, 5.9102, 14.2240

Protanopia

7.0614, 6.1873, 24.4890

Deuteranopia

6.2220, 6.0954, 13.1605



Tritanopia

8.4885, 5.9923, 4.1993

Trichromacy



Original Color

10.4815, 5.9102, 14.2240

Protanomaly

6.9956, 5.1994, 20.3735

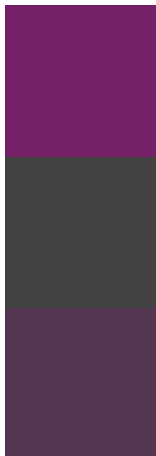
Deuteranomaly

7.0868, 5.4699, 13.5142

Tritanomaly

9.0427, 5.8598, 6.9578

Monochromacy



Original Color

10.4815, 5.9102, 14.2240

Achromatopsia

5.1784, 5.4480, 5.9329

Achromatomaly

6.5507, 5.1637, 8.4360

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.4815, 5.9102, 14.2240 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(117, 33, 106)` looks like.

```
.text, #text, p{  
    color:rgb(117, 33, 106)  
}
```

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(117, 33, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 33, 106) }
```

Border

The CSS property to change the border of an element to XYZ 10.4815, 5.9102, 14.2240 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(117, 33, 106) }
```


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

```
.border{ border-color:rgb(117, 33, 106) }
```

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

Here you see how a box with a 4 pixel rgb(117, 33, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 33, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 33, 106);  
box-shadow:4px 4px 4px 4px rgb(117, 33,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 10.4815, 5.9102, 14.2240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 33, 106) }
```

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

```
.background{ background-color: rgb(117, 33,  
106) }
```

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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