

Converting Colors

XYZ(10.0579, 4.8753, 14.4652)

Have a look what the booklet for
XYZ(10.0579, 4.8753, 14.4652)
contains.

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Color

**XYZ(10.0429, 4.8646,
14.5970)**

Conversions

Conversions Part 1

Format	Color
Hex	75006C
RGB	117, 0, 108
RGB Percent	46%, 0%, 42%
CMY	0.5412, 1.0000, 0.5765
CMYK	0.00, 1.00, 0.08, 0.54
HSL	305°, 100%, 23%
HSV	305°, 100%, 46%
XYZ	10.0429, 4.8646, 14.5970
YIQ	47.2950, 35.0640, 58.3920

Conversions

Conversions Part 2

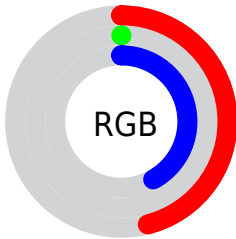
Format	Color
R_{YB}	117, 0, 108
Decimal	7667820
CIE _{Lab}	26.35, 53.86, -29.35
CIE _{LCh}	26, 61.335, 331.410
Yxy	4.8646, 0.3404, 0.1649
Android (android.graphics.Color)	4285857900 (0xFF75006C)
YUV	47.2950, 29.9276, 61.1313
Hunter-Lab	22.0558, 42.6804, -23.8002

Details

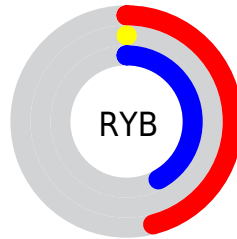
The XYZ color **10.0429, 4.8646, 14.5970** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **6.4108, 12.7425, 2.3803**, and the grayscale version is **2.7003, 2.8409, 3.0937**.

A 20% lighter version of the original color is **25.4255, 15.4430, 34.8984**, and **2.9300, 1.4162, 4.3939** is the 20% darker color. If you saturate the color by 10%, you get **10.0430, 4.8647, 14.5969**, and if you desaturate by 10%, it is **10.2191, 5.1399, 14.8934**.

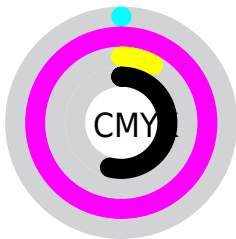
Distribution



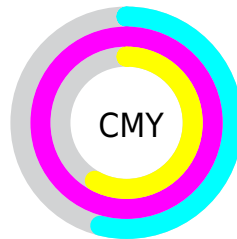
- Red (46%)
- Green (0%)
- Blue (42%)



- Red (46%)
- Yellow (0%)
- Blue (42%)



- Cyan (0%)
- Magenta (100%)
- Yellow (8%)
- Black (54%)



- Cyan (54%)
- Magenta (100%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.0429, 4.8646, 14.5970 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 10.0429, 4.8646, 14.5970 by changing the saturation by 10% instead.

■ 10.0429, 4.8646,
14.5970

■ 10.0429, 4.8646,
14.5970

185.0252,
148.5092, 232.4700

■ 5.4899, 2.1680,
8.3936

■ 25.5251, 15.5253,
34.8769

■ 2.5752, 0.7025,
4.2564

■ 37.1850, 24.2583,
49.7904

■ 0.9333, 0.0000,
1.7671

■ 51.9446, 35.7722,
68.4444

■ 0.0000, 0.0000,
0.4061


■ 70.1692, 50.4514,
91.2574

■ 0.0000, 0.0000,
0.0000

■ 92.2242, 68.6803,
118.6479


■ 118.4750, 90.8433,


151.0344

 149.2869,
117.3248, 188.8356


 10.0429, 4.8646,
14.5970

 10.0429, 4.8646,
14.5970

 10.0430, 4.8647,
14.5969

 10.2191, 5.1399,
14.8934

 10.4544, 5.5325,
15.2118

 10.7932, 6.1315,
15.5673

 11.2475, 6.9606,
15.9636

 11.8276, 8.0406,
16.4044

■ 12.5427, 9.3896,
16.8927

■ 13.4010, 11.0245,
17.4312

■ 14.4103, 12.9603,
18.0225

■ 15.5775, 15.2113,
18.6689

Harmonies

Analogous

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



7.5031, 4.8646, 26.8105



10.0429, 4.8646, 14.5970



11.0241, 4.8646, 4.9749

Triad

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



10.0429, 4.8646, 14.5970



4.5099, 4.8646, 0.0000



1.6774, 4.8646, 15.7444

Complementary

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



10.0429, 4.8646, 14.5970



6.4108, 12.7425, 2.3803

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.



1.3540, 4.8646, 5.6321



10.0429, 4.8646, 14.5970



2.5950, 4.8646, 0.0000

Square

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



10.0429, 4.8646, 14.5970



7.2321, 4.8646, 0.0000



1.6197, 4.8646, 1.1326



2.7326, 4.8646, 27.7908

Rectangle

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



10.0429, 4.8646, 14.5970



10.4623, 4.8646, 1.7653



1.6197, 4.8646, 1.1326



1.5002, 4.8646, 11.8170

Sweetspot

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



10.0431, 4.8648, 14.5971



23.8673, 19.4935, 31.1351



3.3087, 1.3349, 16.9131



5.3659, 4.2499, 7.0836



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.



10.0431, 4.8648, 14.5971



17.9617, 8.7022, 26.0219



7.9273, 4.0185, 3.4558



3.8151, 3.7533, 4.5529



11.0625, 5.3587, 16.0692



53.7664, 26.0567, 77.5562

Inverse Universe

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



10.0431, 4.8648, 14.5971



17.9617, 8.7022, 26.0219



7.3538, 13.1197, 7.3461



3.8151, 3.7533, 4.5529



11.0625, 5.3587, 16.0692



53.7664, 26.0567, 77.5562

Previews

White Background



This preview shows how the XYZ color 10.0429, 4.8646, 14.5970 looks on a white background.

Color Contrast Check

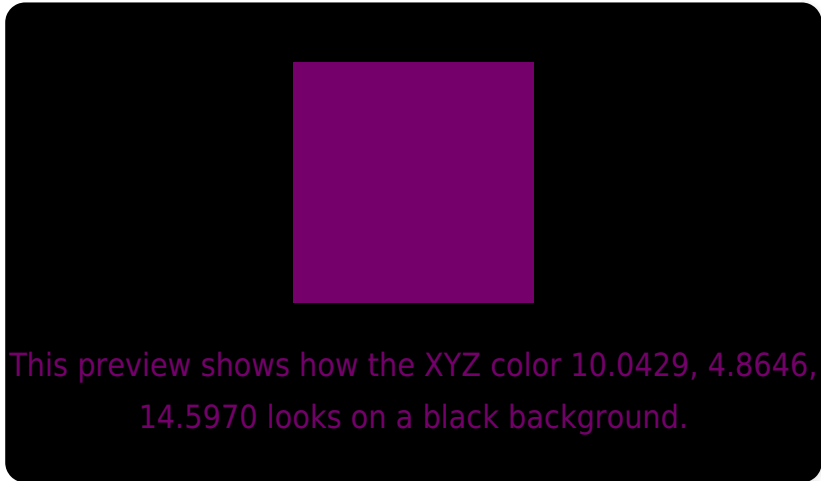
Large Text (above 18pt) WCAG AA ✓ Pass

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

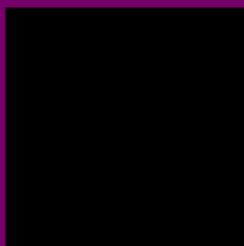
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.0429, 4.8646, 14.5970

Background



This preview shows how black text looks on a background with the XYZ color 10.0429, 4.8646, 14.5970.



This preview shows how white text looks on a background with the XYZ color 10.0429, 4.8646,

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

10.0429, 4.8646, 14.5970

Protanopia

6.2066, 5.4161, 23.6400

Deuteranopia

5.5161, 5.4644, 13.0759



Tritanopia

7.8572, 5.2249, 3.0770

Trichromacy



Original Color

10.0429, 4.8646, 14.5970

Protanomaly

5.4909, 3.5801, 19.8037

Deuteranomaly

6.0743, 4.0719, 13.5625

Tritanomaly

8.2454, 4.7119, 5.9438

Monochromacy



Original Color

10.0429, 4.8646, 14.5970

Achromatopsia

2.7019, 2.8426, 3.0956

Achromatomaly

4.2109, 2.7359, 5.9364

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.0429, 4.8646, 14.5970 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, 0, 108)` looks like.

```
.text, #text, p{  
    color:rgb(117, 0, 108)  
}
```

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, 0, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 0, 108) }
```

Border

The CSS property to change the border of an element to XYZ 10.0429, 4.8646, 14.5970 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, 0, 108) }
```


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

```
.border{ border-color:rgb(117, 0, 108) }
```

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

Here you see how a box with a 4 pixel rgb(117, 0, 108) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 0, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 0, 108);  
box-shadow:4px 4px 4px 4px rgb(117, 0,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 10.0429, 4.8646, 14.5970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 0, 108) }
```

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

```
.background{ background-color: rgb(117, 0,  
108) }
```

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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