

Converting Colors

XYZ(10.0509, 4.8333, 16.1981)

Have a look what the booklet for
XYZ(10.0509, 4.8333, 16.1981)
contains.

XYZ(10.1075, 4.8597, 16.3249)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	30

Color

**XYZ(10.1075, 4.8597,
16.3249)**

Conversions

Conversions Part 1

Format	Color
Hex	730072
RGB	115, 0, 114
RGB Percent	45%, 0%, 45%
CMY	0.5490, 1.0000, 0.5529
CMYK	0.00, 1.00, 0.01, 0.55
HSL	301°, 100%, 23%
HSV	301°, 100%, 45%
XYZ	10.1075, 4.8597, 16.3249
YIQ	47.3810, 31.9460, 59.8340

Conversions

Conversions Part 2

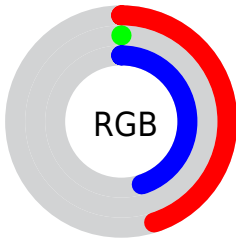
Format	Color
RYB	115, 0, 114
Decimal	7536754
CIELab	26.33, 54.42, -33.26
CIElCh	26, 63.784, 328.566
Yxy	4.8597, 0.3230, 0.1553
Android (android.graphics.Color)	4285726834 (0xFF730072)
YUV	47.3810, 32.8432, 59.3019
Hunter-Lab	22.0447, 43.2639, -28.4750

Details

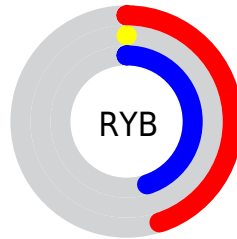
The XYZ color **10.1075, 4.8597, 16.3249** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **6.1364, 12.2639, 2.0726**, and the grayscale version is **2.7065, 2.8474, 3.1009**.

A 20% lighter version of the original color is **25.5276, 15.4335, 37.7099**, and **2.9407, 1.4058, 5.1174** is the 20% darker color. If you saturate the color by 10%, you get **10.1076, 4.8598, 16.3250**, and if you desaturate by 10%, it is **10.2389, 5.1132, 16.3969**.

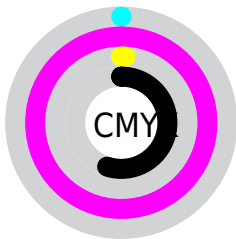
Distribution



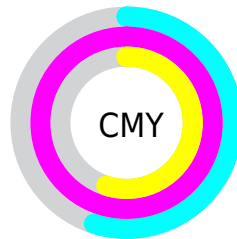
- Red (45%)
- Green (0%)
- Blue (45%)



- Red (45%)
- Yellow (0%)
- Blue (45%)



- Cyan (0%)
- Magenta (100%)
- Yellow (1%)
- Black (55%)



- Cyan (55%)
- Magenta (100%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.1075, 4.8597, 16.3249 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 10.1075, 4.8597, 16.3249 by changing the saturation by 10% instead.

10.1075, 4.8597,
16.3249

10.1075, 4.8597,
16.3249

185.4752,
148.4613, 243.1621

5.5331, 2.1652,
9.5975

25.6453, 15.5147,
37.9359

2.6013, 0.7009,
5.0308

37.3395, 24.2440,
53.6567

0.9466, 0.0000,
2.2063

52.1376, 35.7536,
73.2123

0.0000, 0.0000,
0.6780


70.4051, 50.4281,
97.0213


0.0000, 0.0000,
0.0000


92.5072, 68.6516,
125.5022


118.8094, 90.8088,

159.0737


 149.6769,
117.2839, 198.1541


 10.1075, 4.8597,
16.3249

 10.1075, 4.8597,
16.3249

 10.1076, 4.8598,
16.3250

 10.2389, 5.1132,
16.3969

 10.4256, 5.4774,
16.4872

 10.7113, 6.0398,
16.6107

 11.1077, 6.8234,
16.7710

 11.6245, 7.8477,
16.9715

■ 12.2704, 9.1305,
17.2151

■ 13.0535, 10.6875,
17.5044

■ 13.9811, 12.5334,
17.8420

■ 15.0599, 14.6819,
18.2299

Harmonies

Analogous

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



7.3440, 4.8597, 29.2203



10.1075, 4.8597, 16.3249



11.3510, 4.8597, 5.6462

Triad

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



10.1075, 4.8597, 16.3249



4.7413, 4.8597, 0.0000



1.5371, 4.8597, 15.0833

Complementary

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



10.1075, 4.8597, 16.3249



6.1364, 12.2639, 2.0726

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.



1.2716, 4.8597, 4.9517



10.1075, 4.8597, 16.3249



2.6683, 4.8597, 0.0000

Square

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



10.1075, 4.8597, 16.3249



7.6338, 4.8597, 0.0000



1.5961, 4.8597, 0.8483



2.5253, 4.8597, 28.1489

Rectangle

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



10.1075, 4.8597, 16.3249



10.9007, 4.8597, 1.9894



1.5961, 4.8597, 0.8483



1.3806, 4.8597, 11.0516

Sweetspot

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



10.1077, 4.8599, 16.3250



23.2540, 18.8981, 31.3004



3.0947, 1.2380, 16.2958



5.4306, 4.2758, 7.4241



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.



10.1077, 4.8599, 16.3250



18.0967, 8.7012, 29.2184



7.8216, 3.9455, 4.2863



3.8253, 3.7574, 4.6070



11.5546, 5.5555, 18.6603



56.2892, 27.0658, 90.8411

Inverse Universe

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



10.1077, 4.8599, 16.3250



18.0967, 8.7012, 29.2184



6.8820, 12.5622, 5.9990



3.8253, 3.7574, 4.6070



11.5546, 5.5555, 18.6603



56.2892, 27.0658, 90.8411

Previews

White Background



This preview shows how the XYZ color 10.1075, 4.8597, 16.3249 looks on a white background.

Color Contrast Check

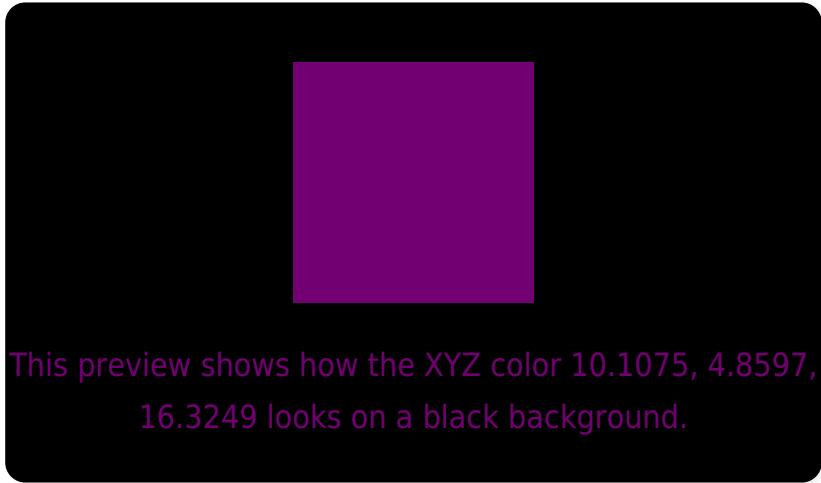
Large Text (above 18pt) WCAG AA ✓ Pass

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

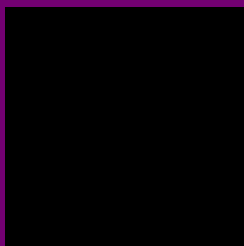
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.1075, 4.8597, 16.3249

Background



This preview shows how black text looks on a background with the XYZ color 10.1075, 4.8597, 16.3249.



This preview shows how white text looks on a background with the XYZ color 10.1075, 4.8597,

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

10.1075, 4.8597, 16.3249

Deuteranopia

5.4771, 5.4091, 14.6653

Tritanopia

7.6562, 5.2783, 3.4116

Trichromacy



Original Color

10.1075, 4.8597, 16.3249

Deuteranomaly

5.9572, 3.9750, 15.2051

Tritanomaly

8.1646, 4.7261, 6.6128

Monochromacy



Original Color

10.1075, 4.8597, 16.3249

Achromatopsia

2.7019, 2.8426, 3.0956

Achromatomaly

4.2741, 2.7612, 6.2689

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.1075, 4.8597, 16.3249 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(115, 0, 114)` looks like.

```
.text, #text, p{  
    color:rgb(115, 0, 114)  
}
```

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(115, 0, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 0, 114) }
```

Border

The CSS property to change the border of an element to XYZ 10.1075, 4.8597, 16.3249 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(115, 0, 114) }
```

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

```
.border{ border-color:rgb(115, 0, 114) }
```

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

Here you see how a box with a 4 pixel rgb(115, 0, 114) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 0, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 0, 114);  
box-shadow:4px 4px 4px 4px rgb(115, 0,  
114) }
```


Background

The CSS property to change the background color of an element to XYZ 10.1075, 4.8597, 16.3249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 0, 114) }
```

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

```
.background{ background-color: rgb(115, 0,  
114) }
```

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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