

Converting Colors

XYZ(10.3228, 8.0917, 15.5331)

Have a look what the booklet for
XYZ(10.3228, 8.0917, 15.5331)
contains.

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Color

**XYZ(10.3069, 8.0632,
15.4811)**

Conversions

Conversions Part 1

Format	Color
Hex	66446D
RGB	102, 68, 109
RGB Percent	40%, 27%, 43%
CMY	0.6000, 0.7333, 0.5725
CMYK	0.06, 0.38, 0.00, 0.57
HSL	290°, 23%, 35%
HSV	290°, 38%, 43%
XYZ	10.3069, 8.0632, 15.4811
YIQ	82.8400, 7.1030, 19.9590

Conversions

Conversions Part 2

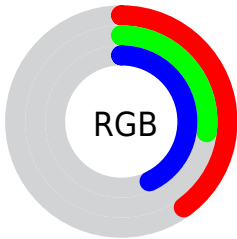
Format	Color
R _Y B	102, 68, 109
Decimal	6702189
CIE Lab	34.11, 22.42, -17.98
CIE LCh	34, 28.744, 321.272
Yxy	8.0632, 0.3045, 0.2382
Android (android.graphics.Color)	4284892269 (0xFF66446D)
YUV	82.8400, 12.8969, 16.8033
Hunter-Lab	28.3958, 15.0981, -12.4473

Details

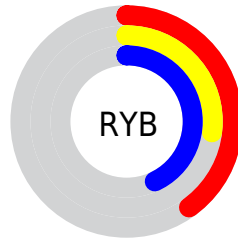
The XYZ color **10.3069, 8.0632, 15.4811** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **9.4141, 12.8507, 7.4536**, and the grayscale version is **8.1634, 8.5885, 9.3529**.

A 20% lighter version of the original color is **26.1207, 22.1658, 36.6199**, and **2.6700, 1.7340, 4.6088** is the 20% darker color. If you saturate the color by 10%, you get **9.4995, 6.7579, 15.2718**, and if you desaturate by 10%, it is **11.2422, 9.6169, 15.7318**.

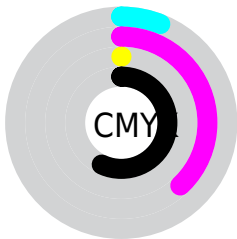
Distribution



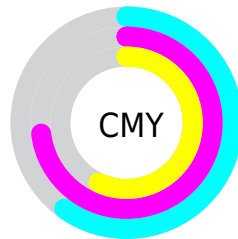
- Red (40%)
- Green (27%)
- Blue (43%)



- Red (40%)
- Yellow (27%)
- Blue (43%)



- Cyan (6%)
- Magenta (38%)
- Yellow (0%)
- Black (57%)



- Cyan (60%)
- Magenta (73%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.3069, 8.0632, 15.4811 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 10.3069, 8.0632, 15.4811 by changing the saturation by 10% instead.

10.3069, 8.0632,
15.4811

10.3069, 8.0632,
15.4811

186.8569,
176.2269, 238.0003

5.6667, 4.1354,
9.0074

26.0156, 22.0822,
36.4492

2.6822, 1.7496,
4.6491

37.8149, 32.9423,
51.7806

0.9880, 0.4555,
1.9878

52.7313, 46.8819,
70.9016

0.0000, 0.0000,
0.5477

71.1301, 64.2854,
94.2308

0.0000, 0.0000,
0.0000

93.3767, 85.5373,
122.1867

119.8365,

111.0219, 155.1879

150.8747,
141.1236, 193.6529

■ 10.3069, 8.0632,
15.4811

■ 10.3069, 8.0632,
15.4811

■ 9.4995, 6.7579,
15.2718

■ 11.2422, 9.6169,
15.7318

■ 8.8123, 5.6862,
15.1012

■ 12.3109, 11.4305,
16.0256

■ 8.2382, 4.8336,
14.9669

■ 13.5191, 13.5161,
16.3644

■ 7.7686, 4.1833,
14.8661

■ 14.8724, 15.8846,
16.7503

■ 7.3941, 3.7163,
14.7957

■ 16.3759, 18.5465,
17.1848

7.0866, 3.3763,
14.7463

18.0348, 21.5116,
17.6697

7.0147, 3.2974,
14.7348

19.8535, 24.7894,
18.2065

21.8368, 28.3888,
18.7968

23.9889, 32.3185,
19.4418

Harmonies

Analogous

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



8.8282, 8.0632, 19.7371



10.3069, 8.0632, 15.4811



11.1030, 8.0632, 10.1772

Triad

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



10.3069, 8.0632, 15.4811



8.1375, 8.0632, 2.6546



5.1518, 8.0632, 12.3574

Complementary

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



10.3069, 8.0632, 15.4811



9.4141, 12.8507, 7.4536

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.



5.0201, 8.0632, 7.5159



10.3069, 8.0632, 15.4811



6.6066, 8.0632, 2.8841

Square

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



10.3069, 8.0632, 15.4811



9.7416, 8.0632, 3.5645



5.5163, 8.0632, 4.3595



5.9047, 8.0632, 17.5423

Rectangle

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



10.3069, 8.0632, 15.4811



11.0728, 8.0632, 7.1757



5.5163, 8.0632, 4.3595



5.0380, 8.0632, 10.6059

Sweetspot

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



10.3072, 8.0635, 15.4813



23.3791, 22.7653, 29.0692



7.6959, 7.4361, 15.4978



5.3917, 5.2134, 6.7509



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

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



10.3072, 8.0635, 15.4813



17.1945, 12.3946, 27.3934



10.4862, 8.2307, 12.1067



3.1694, 3.1391, 3.8737



8.1873, 3.8478, 17.2334



41.0800, 19.2771, 87.7819

Inverse Universe

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



9.6441, 7.8939, 7.6725



15.8808, 12.0775, 11.0585



9.3374, 12.7603, 9.7526



3.1189, 3.1244, 3.3565



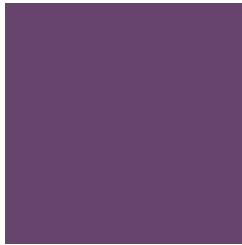
7.5030, 3.8533, 1.0115



38.0008, 19.5423, 3.9408

Previews

White Background



This preview shows how the XYZ color 10.3069, 8.0632, 15.4811 looks on a white background.

Color Contrast Check

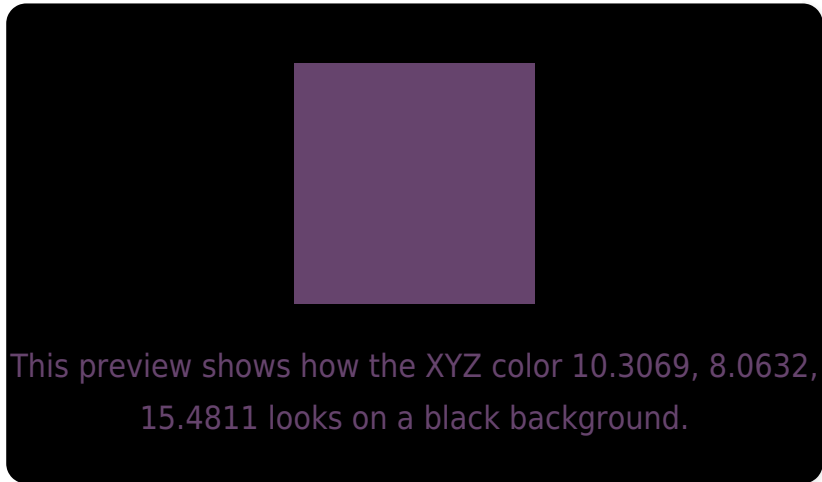
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.3069, 8.0632, 15.4811

Background



This preview shows how black text looks on a background with the XYZ color 10.3069, 8.0632, 15.4811.



This preview shows how white text looks on a background with the XYZ color 10.3069, 8.0632,

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

10.3069, 8.0632, 15.4811

Protanopia

8.4499, 8.1289, 18.2632

Deuteranopia

8.2739, 8.1093, 15.0391



Tritanopia

8.9338, 8.0734, 8.6769

Trichromacy



Original Color

10.3069, 8.0632, 15.4811

Protanomaly

8.9189, 7.9754, 17.2890

Deuteranomaly

8.8790, 7.9997, 15.2635

Tritanomaly

9.3513, 8.0427, 10.9571

Monochromacy



Original Color

10.3069, 8.0632, 15.4811

Achromatopsia

8.2219, 8.6500, 9.4199

Achromatomaly

8.8726, 8.3951, 11.2780

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.3069, 8.0632, 15.4811 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(102, 68, 109)` looks like.

```
.text, #text, p{  
    color:rgb(102, 68, 109)  
}
```

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(102, 68, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 68, 109) }
```

Border

The CSS property to change the border of an element to XYZ 10.3069, 8.0632, 15.4811 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(102, 68, 109) }
```


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

```
.border{ border-color:rgb(102, 68, 109) }
```

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

Here you see how a box with a 4 pixel rgb(102, 68, 109) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 68, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 68, 109);  
box-shadow:4px 4px 4px 4px rgb(102, 68,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 10.3069, 8.0632, 15.4811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 68, 109) }
```

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

```
.background{ background-color: rgb(102, 68,  
109) }
```

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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