

Converting Colors

XYZ(16.1786, 10.3675, 41.9139)

Have a look what the booklet for
XYZ(16.1786, 10.3675, 41.9139)
contains.

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Color

**XYZ(16.1165, 10.3066,
41.6974)**

Conversions

Conversions Part 1

Format	Color
Hex	6E42AF
RGB	110, 66, 175
RGB Percent	43%, 26%, 69%
CMY	0.5686, 0.7412, 0.3137
CMYK	0.37, 0.62, 0.00, 0.31
HSL	264°, 45%, 47%
HSV	264°, 62%, 69%
XYZ	16.1165, 10.3066, 41.6974
YIQ	91.5820, -8.7650, 43.2270

Conversions

Conversions Part 2

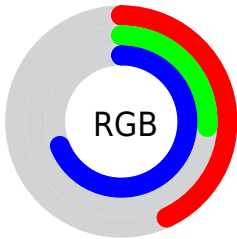
Format	Color
R _Y B	110, 66, 175
Decimal	7226031
CIE Lab	38.39, 42.32, -51.47
CIE LCh	38, 66.631, 309.428
Yxy	10.3066, 0.2366, 0.1513
Android (android.graphics.Color)	4285416111 (0xFF6E42AF)
YUV	91.5820, 41.1251, 16.1526
Hunter-Lab	32.1039, 33.4271, -54.5347

Details

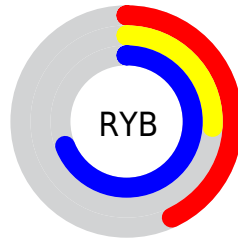
The XYZ color **16.1165, 10.3066, 41.6974** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **25.6734, 35.8787, 10.7267**, and the grayscale version is **9.9874, 10.5076, 11.4427**.

A 20% lighter version of the original color is **36.3951, 26.3673, 78.7725**, and **5.2888, 2.6183, 18.6390** is the 20% darker color. If you saturate the color by 10%, you get **14.0233, 7.9350, 41.3502**, and if you desaturate by 10%, it is **18.6764, 13.3832, 42.1565**.

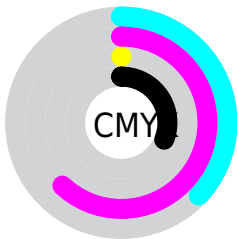
Distribution



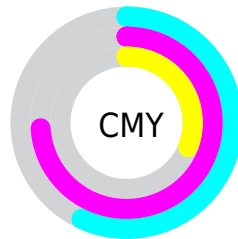
- Red (43%)
- Green (26%)
- Blue (69%)



- Red (43%)
- Yellow (26%)
- Blue (69%)



- Cyan (37%)
- Magenta (62%)
- Yellow (0%)
- Black (31%)



- Cyan (57%)
- Magenta (74%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.1165, 10.3066, 41.6974 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 16.1165, 10.3066, 41.6974 by changing the saturation by 10% instead.

■ 16.1165, 10.3066,
41.6974

■ 16.1165, 10.3066,
41.6974

223.2851,
192.8465, 368.9896

■ 9.6980, 5.6027,
28.5406

■ 36.3561, 26.3706,
79.0066

■ 5.2599, 2.6050,
18.4910

■ 50.9080, 38.4995,
103.9961

■ 2.4369, 0.9292,
11.1300

■ 68.9017, 53.8722,
133.7669

■ 0.8635, 0.0000,
6.0391

■ 90.7026, 72.8731,
168.7375

■ 0.0000, 0.0000,
2.7997

■ 116.6760, 95.8866,
209.3266

■ 0.0000, 0.0000,
0.9933

147.1873,

■ 0.0000, 0.0000,

123.2971, 255.9526

0.0000

182.6019,
155.4889, 309.0341

■ 16.1165, 10.3066,
41.6974

■ 16.1165, 10.3066,
41.6974

■ 14.0233, 7.9350,
41.3502

■ 18.6764, 13.3832,
42.1565

■ 12.3604, 6.2056,
41.1040

■ 21.7323, 17.2181,
42.7357

■ 11.0876, 5.0453,
40.9471

■ 25.3128, 21.8604,
43.4430

■ 10.3105, 4.4214,
40.8677

■ 29.4435, 27.3548,
44.2858

■ 34.1484, 33.7425,
45.2708

■ 39.4500, 41.0622,
46.4042

■ 45.3692, 49.3500,
47.6920

■ 51.9264, 58.6403,
49.1396

■ 59.1405, 68.9656,
50.7523

Harmonies

Analogous

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



11.2292, 10.3066, 55.2288



16.1165, 10.3066, 41.6974



19.8821, 10.3066, 21.9013

Triad

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



16.1165, 10.3066, 41.6974



13.0340, 10.3066, 0.2659



3.6505, 10.3066, 15.6149

Complementary

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



16.1165, 10.3066, 41.6974



25.6734, 35.8787, 10.7267

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.



3.8722, 10.3066, 4.7405



16.1165, 10.3066, 41.6974



8.4905, 10.3066, 0.0317

Square

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



16.1165, 10.3066, 41.6974



17.7683, 10.3066, 1.8539



5.3911, 10.3066, 1.0304



4.6569, 10.3066, 34.3037

Rectangle

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



16.1165, 10.3066, 41.6974



20.7475, 10.3066, 11.4624



5.3911, 10.3066, 1.0304



3.5926, 10.3066, 10.9852

Sweetspot

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



16.1170, 10.3070, 41.6977



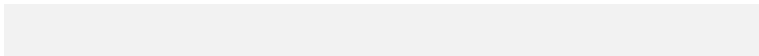
55.1144, 52.2038, 79.8084



18.1550, 20.5940, 43.5758



11.7462, 10.9237, 17.6337



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



16.1170, 10.3070, 41.6977



23.8317, 12.8376, 73.8587



25.0168, 14.8950, 42.1142



7.8735, 7.9091, 10.0643



7.4495, 3.2002, 29.2696



0.2701, 0.1214, 0.8172

Inverse Universe

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



23.7243, 14.6493, 23.0496



39.3050, 21.6999, 34.5720



19.3661, 32.6272, 10.4315



8.1981, 8.0925, 9.3541



14.4940, 7.2602, 10.2469



0.4294, 0.2124, 0.4227

Previews

White Background



This preview shows how the XYZ color 16.1165, 10.3066, 41.6974 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 × Fail

Black Background



This preview shows how the XYZ color 16.1165, 10.3066, 41.6974 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 16.1165, 10.3066, 41.6974

Background



This preview shows how black text looks on a background with the XYZ color 16.1165, 10.3066, 41.6974.



This preview shows how white text looks on a background with the XYZ color 16.1165, 10.3066,

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

16.1165, 10.3066, 41.6974

Protanopia

12.1652, 10.3192, 47.2496

Deuteranopia

10.3487, 10.2629, 35.6179



Tritanopia

10.1979, 10.3164, 12.5201

Trichromacy



Original Color

16.1165, 10.3066, 41.6974

Protanomaly

12.0115, 9.3793, 44.8934

Deuteranomaly

10.9434, 9.4276, 37.8022

Tritanomaly

11.7897, 10.0182, 20.7144

Monochromacy



Original Color

16.1165, 10.3066, 41.6974

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

11.7517, 10.2443, 19.7703

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.1165, 10.3066, 41.6974 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(110, 66, 175)` looks like.

```
.text, #text, p{  
    color:rgb(110, 66, 175)  
}
```

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(110, 66, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 66, 175) }
```

Border

The CSS property to change the border of an element to XYZ 16.1165, 10.3066, 41.6974 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(110, 66, 175) }
```


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

```
.border{ border-color:rgb(110, 66, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 66, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 66, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 66, 175);  
box-shadow:4px 4px 4px 4px rgb(110, 66,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 16.1165, 10.3066, 41.6974 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 66, 175) }
```

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

```
.background{ background-color: rgb(110, 66,  
175) }
```

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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