

Converting Colors

XYZ(16.6850, 10.7533, 42.7912)

Have a look what the booklet for
XYZ(16.6850, 10.7533, 42.7912)
contains.

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Color

**XYZ(16.6850, 10.7533,
42.7912)**

Conversions

Conversions Part 1

Format	Color
Hex	7044B1
RGB	112, 68, 177
RGB Percent	44%, 27%, 69%
CMY	0.5608, 0.7333, 0.3059
CMYK	0.37, 0.62, 0.00, 0.31
HSL	264°, 44%, 48%
HSV	264°, 62%, 69%
XYZ	16.6850, 10.7533, 42.7912
YIQ	93.5820, -8.7650, 43.2270

Conversions

Conversions Part 2

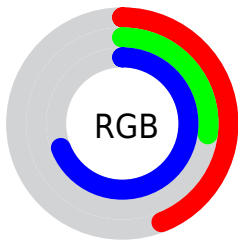
Format	Color
R_{YB}	112, 68, 177
Decimal	7357617
CIE _{Lab}	39.16, 42.20, -51.39
CIE _{LCh}	39, 66.494, 309.389
Yxy	10.7533, 0.2376, 0.1531
Android (android.graphics.Color)	4285547697 (0xFF7044B1)
YUV	93.5820, 41.1251, 16.1526
Hunter-Lab	32.7922, 33.4361, -54.4141

Details

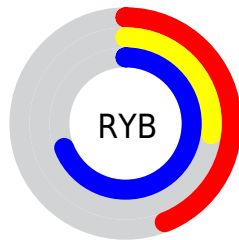
The XYZ color **16.6850, 10.7533, 42.7912** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **26.4384, 36.8483, 11.1881**, and the grayscale version is **10.4491, 10.9933, 11.9717**.

A 20% lighter version of the original color is **37.3349, 27.1649, 80.3664**, and **5.4954, 2.7657, 18.9831** is the 20% darker color. If you saturate the color by 10%, you get **14.5065, 8.2740, 42.4277**, and if you desaturate by 10%, it is **19.3451, 13.9607, 43.2703**.

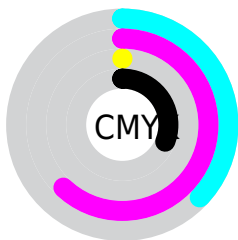
Distribution



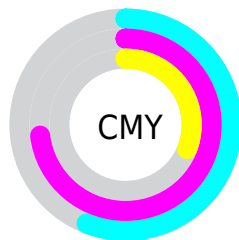
- Red (44%)
- Green (27%)
- Blue (69%)



- Red (44%)
- Yellow (27%)
- Blue (69%)



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



- Cyan (56%)
- Magenta (73%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.6850, 10.7533, 42.7912 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 16.6850, 10.7533, 42.7912 by changing the saturation by 10% instead.

■ 16.6850, 10.7533,
42.7912

■ 16.6850, 10.7533,
42.7912

226.5423,
195.9671, 373.6483

■ 10.1041, 5.9012,
29.3911

■ 37.3313, 27.2031,
80.6787

■ 5.5308, 2.7851,
19.1288

■ 52.1274, 39.5695,
106.0031

■ 2.5999, 1.0206,
11.5856

■ 70.3926, 55.2096,
136.1395

■ 0.9459, 0.0000,
6.3431

■ 92.4922, 74.5076,
171.5062

■ 0.0000, 0.0000,
2.9827

■ 118.7916, 97.8479,
212.5220

■ 0.0000, 0.0000,
1.0858

149.6562,

■ 0.0000, 0.0000,

125.6150, 259.6052

0.0000

185.4513,
158.1933, 313.1745

■ 16.6850, 10.7533,
42.7912

■ 16.6850, 10.7533,
42.7912

■ 14.5065, 8.2740,
42.4277

■ 19.3451, 13.9607,
43.2703

■ 12.7726, 6.4588,
42.1687

■ 22.5167, 17.9506,
43.8733

■ 11.4422, 5.2334,
42.0023

■ 26.2291, 22.7731,
44.6085

■ 10.5677, 4.5311,
41.9128

■ 30.5085, 28.4740,
45.4833

■ 35.3793, 35.0954,
46.5046

■ 40.8646, 42.6768,
47.6789

■ 46.9860, 51.2553,
49.0121

■ 53.7641, 60.8661,
50.5099

■ 61.2186, 71.5426,
52.1778

Harmonies

Analogous

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



11.6843, 10.7533, 56.4932



16.6850, 10.7533, 42.7912



20.5310, 10.7533, 22.6558

Triad

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



16.6850, 10.7533, 42.7912



13.5462, 10.7533, 0.3693



3.8802, 10.7533, 16.1891

Complementary

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



16.6850, 10.7533, 42.7912



26.4384, 36.8483, 11.1881

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.



4.1122, 10.7533, 5.0166



16.6850, 10.7533, 42.7912



8.8847, 10.7533, 0.1340

Square

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



16.6850, 10.7533, 42.7912



18.3835, 10.7533, 2.0161



5.6877, 10.7533, 1.1371



4.9227, 10.7533, 35.2292

Rectangle

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



16.6850, 10.7533, 42.7912



21.4165, 10.7533, 11.9724



5.6877, 10.7533, 1.1371



3.8205, 10.7533, 11.4485

Sweetspot

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



16.6855, 10.7537, 42.7915



57.3766, 54.6929, 82.0280



18.7624, 21.2884, 44.7154



11.9167, 11.1532, 17.6690



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.



16.6855, 10.7537, 42.7915



24.7478, 13.4892, 75.7946



25.7500, 15.4266, 43.2157



8.3559, 8.3920, 10.6857



7.7216, 3.3164, 30.3702



0.3098, 0.1388, 0.9587

Inverse Universe

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



24.4324, 15.1750, 23.8314



40.4994, 22.5088, 35.9016



19.9819, 33.5199, 10.8859



8.7019, 8.5875, 9.9286



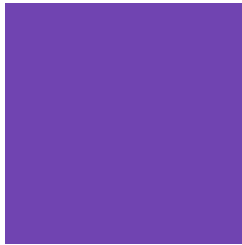
15.0354, 7.5317, 10.6124



0.5010, 0.2482, 0.4812

Previews

White Background



This preview shows how the XYZ color 16.6850, 10.7533, 42.7912 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 16.6850, 10.7533, 42.7912 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

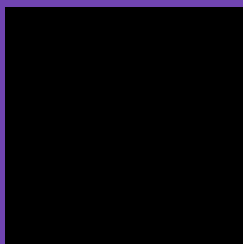
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.6850, 10.7533, 42.7912

Background



This preview shows how black text looks on a background with the XYZ color 16.6850, 10.7533, 42.7912.



This preview shows how white text looks on a background with the XYZ color 16.6850, 10.7533,

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

16.6850, 10.7533, 42.7912

Protanopia

12.7577, 10.8189, 49.5600

Deuteranopia

10.8856, 10.7586, 37.5793



Tritanopia

10.6650, 10.7969, 13.0772

Trichromacy



Original Color

16.6850, 10.7533, 42.7912

Protanomaly

12.6138, 9.8591, 47.1371

Deuteranomaly

11.4186, 9.8707, 39.3336

Tritanomaly

12.2908, 10.4855, 21.4548

Monochromacy



Original Color

16.6850, 10.7533, 42.7912

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

12.2534, 10.7189, 20.4919

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6850, 10.7533, 42.7912 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(112, 68, 177)` looks like.

```
.text, #text, p{  
    color:rgb(112, 68, 177)  
}
```

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(112, 68, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 68, 177) }
```

Border

The CSS property to change the border of an element to XYZ 16.6850, 10.7533, 42.7912 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(112, 68, 177) }
```


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

```
.border{ border-color:rgb(112, 68, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 68, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 68, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 68, 177);  
box-shadow:4px 4px 4px 4px rgb(112, 68,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 16.6850, 10.7533, 42.7912 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 68, 177) }
```

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

```
.background{ background-color: rgb(112, 68,  
177) }
```

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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