

Converting Colors

XYZ(15.8582, 9.9720, 42.6843)

Have a look what the booklet for
XYZ(15.8582, 9.9720, 42.6843)
contains.

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Color

**XYZ(15.8326, 9.9669,
42.6843)**

Conversions

Conversions Part 1

Format	Color
Hex	6B40B1
RGB	107, 64, 177
RGB Percent	42%, 25%, 69%
CMY	0.5804, 0.7490, 0.3059
CMYK	0.40, 0.64, 0.00, 0.31
HSL	263°, 47%, 47%
HSV	263°, 64%, 69%
XYZ	15.8326, 9.9669, 42.6843
YIQ	89.7390, -10.6450, 44.2590

Conversions

Conversions Part 2

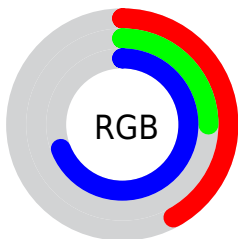
Format	Color
R_{YB}	107, 64, 177
Decimal	7028913
CIE _{Lab}	37.78, 43.29, -53.65
CIE _{LCh}	38, 68.932, 308.901
Yxy	9.9669, 0.2312, 0.1455
Android (android.graphics.Color)	4285218993 (0xFF6B40B1)
YUV	89.7390, 43.0197, 15.1379
Hunter-Lab	31.5704, 34.2698, -58.0629

Details

The XYZ color **15.8326, 9.9669, 42.6843** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **26.4789, 36.8828, 10.5741**, and the grayscale version is **9.5689, 10.0672, 10.9632**.

A 20% lighter version of the original color is **35.8296, 25.7043, 80.1638**, and **5.1112, 2.4755, 18.9473** is the 20% darker color. If you saturate the color by 10%, you get **13.7526, 7.6408, 42.3452**, and if you desaturate by 10%, it is **18.3974, 13.0132, 43.1373**.

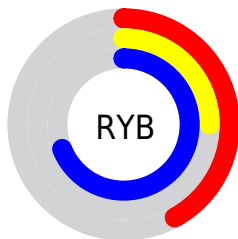
Distribution



Red (42%)

Green (25%)

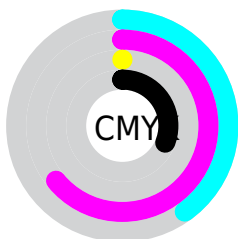
Blue (69%)



Red (42%)

Yellow (25%)

Blue (69%)

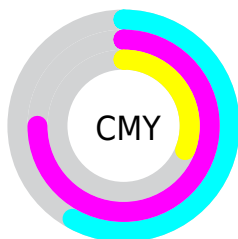


Cyan (40%)

Magenta (64%)

Yellow (0%)

Black (31%)



Cyan (58%)

Magenta (75%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.8326, 9.9669, 42.6843 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 15.8326, 9.9669, 42.6843 by changing the saturation by 10% instead.

■ 15.8326, 9.9669,
42.6843

■ 15.8326, 9.9669,
42.6843

■ 221.6418,
190.4357, 373.1948

■ 9.4959, 5.3770,
29.3079

■ 35.8671, 25.7332,
80.5155

■ 5.1257, 2.4701,
19.0663

■ 50.2957, 37.6785,
105.8074

■ 2.3567, 0.8616,
11.5409

■ 68.1522, 52.8443,
135.9082

■ 0.8234, 0.0000,
6.3132

■ 89.8020, 71.6150,
171.2364

■ 0.0000, 0.0000,
2.9646

■ 115.6105, 94.3752,
212.2107

■ 0.0000, 0.0000,
1.0766

■ 145.9431,

■ 0.0000, 0.0000,

121.5090, 259.2495

0.0000

181.1650,
153.4011, 312.7713

■ 15.8326, 9.9669,
42.6843

■ 15.8326, 9.9669,
42.6843

■ 13.7526, 7.6408,
42.3452

■ 18.3974, 13.0132,
43.1373

■ 12.1186, 5.9684,
42.1085

■ 21.4787, 16.8360,
43.7128

■ 10.8869, 4.8716,
41.9617

■ 25.1066, 21.4869,
44.4193

■ 10.2752, 4.3803,
41.8991

■ 29.3087, 27.0128,
45.2644

■ 34.1102, 33.4569,
46.2552

■ 39.5352, 40.8595,
47.3981

■ 45.6060, 49.2585,
48.6993

■ 52.3440, 58.6897,
50.1646

■ 59.7694, 69.1871,
51.7994

Harmonies

Analogous

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



10.8418, 9.9669, 56.6218



15.8326, 9.9669, 42.6843



19.7467, 9.9669, 22.1038

Triad

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



15.8326, 9.9669, 42.6843



12.8525, 9.9669, 0.0582



3.3369, 9.9669, 15.0442

Complementary

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



15.8326, 9.9669, 42.6843



26.4789, 36.8828, 10.5741

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.



3.5741, 9.9669, 4.2635



15.8326, 9.9669, 42.6843



8.2249, 9.9669, 0.0000

Square

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



15.8326, 9.9669, 42.6843



17.6890, 9.9669, 1.6449



5.0957, 9.9669, 0.8038



4.3012, 9.9669, 34.2492

Rectangle

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



15.8326, 9.9669, 42.6843



20.6830, 9.9669, 11.3231



5.0957, 9.9669, 0.8038



3.2871, 9.9669, 10.3946

Sweetspot

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



15.8331, 9.9672, 42.6846



56.2392, 53.3836, 81.8352



18.7936, 21.7510, 44.8030



11.6797, 10.8894, 17.6306



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.



15.8331, 9.9672, 42.6846



23.2266, 12.2073, 75.6274



24.6562, 14.5157, 43.0975



8.3375, 8.3825, 10.6849



7.5078, 3.2062, 30.3601



0.3024, 0.1350, 0.9584

Inverse Universe

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



24.2680, 14.7352, 24.1188



40.2801, 21.8846, 36.4006



19.8777, 33.4798, 10.2652



8.7102, 8.5908, 9.9723



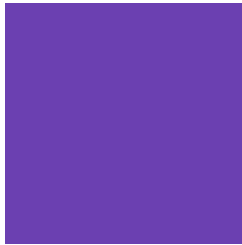
15.1922, 7.5945, 11.4382



0.5053, 0.2499, 0.5039

Previews

White Background



This preview shows how the XYZ color 15.8326, 9.9669, 42.6843 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



This preview shows how the XYZ color 15.8326, 9.9669, 42.6843 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

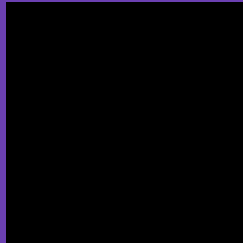
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.8326, 9.9669, 42.6843

Background



This preview shows how black text looks on a background with the XYZ color 15.8326, 9.9669, 42.6843.



This preview shows how white text looks on a background with the XYZ color 15.8326, 9.9669,

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

15.8326, 9.9669, 42.6843

Protanopia

11.7713, 10.0330, 45.5721

Deuteranopia

9.9991, 9.9854, 34.2012



Tritanopia

9.6751, 9.9295, 12.2331

Trichromacy



Original Color

15.8326, 9.9669, 42.6843

Protanomaly

11.7993, 9.1754, 44.3292

Deuteranomaly

10.6621, 9.0694, 37.2650

Tritanomaly

11.3215, 9.5594, 20.6505

Monochromacy



Original Color

15.8326, 9.9669, 42.6843

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

11.2792, 9.7768, 19.7050

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8326, 9.9669, 42.6843 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(107, 64, 177)` looks like.

```
.text, #text, p{  
    color:rgb(107, 64, 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(107, 64, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 64, 177) }
```

Border

The CSS property to change the border of an element to XYZ 15.8326, 9.9669, 42.6843 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(107, 64, 177) }
```


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

```
.border{ border-color:rgb(107, 64, 177) }
```

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

Here you see how a box with a 4 pixel rgb(107, 64, 177) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 64, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 64, 177);  
box-shadow:4px 4px 4px 4px rgb(107, 64,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8326, 9.9669, 42.6843 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 64, 177) }
```

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

```
.background{ background-color: rgb(107, 64,  
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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