

Converting Colors

XYZ(15.4765, 9.9823, 34.6679)

Have a look what the booklet for
XYZ(15.4765, 9.9823, 34.6679)
contains.

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Color

**XYZ(15.4689, 9.9530,
34.8240)**

Conversions

Conversions Part 1

Format	Color
Hex	7440A1
RGB	116, 64, 161
RGB Percent	45%, 25%, 63%
CMY	0.5451, 0.7490, 0.3686
CMYK	0.28, 0.60, 0.00, 0.37
HSL	272°, 43%, 44%
HSV	272°, 60%, 63%
XYZ	15.4689, 9.9530, 34.8240
YIQ	90.6060, -0.1450, 41.1910

Conversions

Conversions Part 2

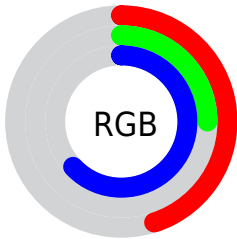
Format	Color
R_{YB}	116, 64, 161
Decimal	7618721
CIE _{Lab}	37.76, 41.27, -44.09
CIE _{LCh}	38, 60.392, 313.111
Yxy	9.9530, 0.2568, 0.1652
Android (android.graphics.Color)	4285808801 (0xFF7440A1)
YUV	90.6060, 34.7042, 22.2705
Hunter-Lab	31.5484, 32.3130, -43.3621

Details

The XYZ color **15.4689, 9.9530, 34.8240** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **19.9770, 29.1112, 9.4169**, and the grayscale version is **9.7791, 10.2884, 11.2041**.

A 20% lighter version of the original color is **35.2066, 25.6504, 68.0612**, and **4.9673, 2.4750, 14.6839** is the 20% darker color. If you saturate the color by 10%, you get **13.7354, 7.9008, 34.5194**, and if you desaturate by 10%, it is **17.5451, 12.5712, 35.2201**.

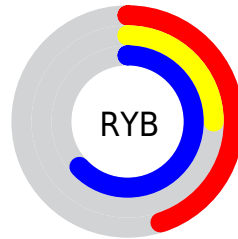
Distribution



Red (45%)

Green (25%)

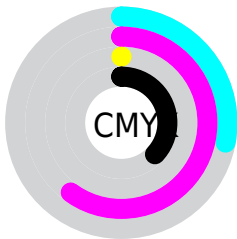
Blue (63%)



Red (45%)

Yellow (25%)

Blue (63%)

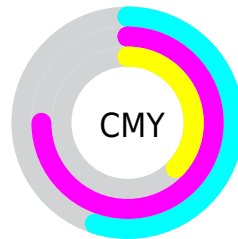


Cyan (28%)

Magenta (60%)

Yellow (0%)

Black (37%)



Cyan (55%)

Magenta (75%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.4689, 9.9530, 34.8240 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 15.4689, 9.9530, 34.8240 by changing the saturation by 10% instead.

■ 15.4689, 9.9530,
34.8240

■ 15.4689, 9.9530,
34.8240

■ 219.5196,
190.3363, 338.6714

■ 9.2376, 5.3678,
23.2449

■ 35.2386, 25.7071,
68.3615

■ 4.9548, 2.4646,
14.5674

■ 49.5078, 37.6447,
91.1569

■ 2.2553, 0.8589,
8.3731

■ 67.1869, 52.8020,
118.5282

■ 0.7716, 0.0000,
4.2434

■ 88.6413, 71.5633,
150.8939

■ 0.0000, 0.0000,
1.7598

■ 114.2365, 94.3129,
188.6726

■ 0.0000, 0.0000,
0.4013

■ 144.3377,

■ 0.0000, 0.0000,

121.4354, 232.2827

0.0000

179.3103,
153.3151, 282.1428

■ 15.4689, 9.9530,
34.8240

■ 15.4689, 9.9530,
34.8240

■ 13.7354, 7.9008,
34.5194

■ 17.5451, 12.5712,
35.2201

■ 12.3183, 6.3660,
34.2979

■ 19.9852, 15.7963,
35.7140

■ 11.1887, 5.2934,
34.1504

■ 22.8096, 19.6665,
36.3122

■ 10.2996, 4.5665,
34.0569

■ 26.0371, 24.2164,
37.0203

■ 29.6849, 29.4782,
37.8437

■ 33.7692, 35.4820,
38.7872

■ 38.3054, 42.2560,
39.8557

■ 43.3080, 49.8270,
41.0534

■ 48.7908, 58.2206,
42.3845

Harmonies

Analogous

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



11.2391, 9.9530, 47.3302



15.4689, 9.9530, 34.8240



18.4495, 9.9530, 18.2297

Triad

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



15.4689, 9.9530, 34.8240



11.7757, 9.9530, 0.5113



3.9300, 9.9530, 16.3877

Complementary

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



15.4689, 9.9530, 34.8240



19.9770, 29.1112, 9.4169

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.



4.0007, 9.9530, 5.7744



15.4689, 9.9530, 34.8240



7.8794, 9.9530, 0.4392

Square

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



15.4689, 9.9530, 34.8240



15.9524, 9.9530, 1.8497



5.2519, 9.9530, 1.5622



5.0225, 9.9530, 32.7179

Rectangle

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



15.4689, 9.9530, 34.8240



18.9347, 9.9530, 9.7276



5.2519, 9.9530, 1.5622



3.8296, 9.9530, 12.0280

Sweetspot

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



15.4693, 9.9534, 34.8242



47.8184, 45.0686, 66.5653



14.0448, 14.6578, 35.8074



10.1139, 9.3508, 14.5155



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



15.4693, 9.9534, 34.8242



23.7525, 13.2013, 61.6827



22.6830, 13.7047, 33.6925



7.0461, 7.0381, 8.8902



8.2734, 3.6715, 27.2024



0.2277, 0.1049, 0.5741

Inverse Universe

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



19.2918, 12.3482, 15.8345



31.7856, 18.2204, 22.3983



15.8796, 26.9880, 9.7195



7.2041, 7.1381, 8.0611



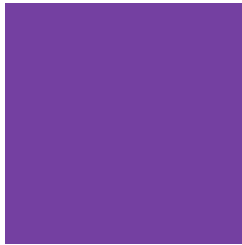
12.7648, 6.4620, 5.9523



0.2920, 0.1453, 0.2504

Previews

White Background



This preview shows how the XYZ color 15.4689, 9.9530, 34.8240 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 15.4689, 9.9530, 34.8240 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

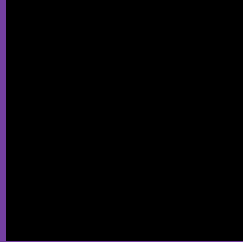
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.4689, 9.9530, 34.8240

Background



This preview shows how black text looks on a background with the XYZ color 15.4689, 9.9530, 34.8240.



This preview shows how white text looks on a background with the XYZ color 15.4689, 9.9530,

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

15.4689, 9.9530, 34.8240

Protanopia

11.8750, 10.0745, 46.1184

Deuteranopia

10.3501, 10.0700, 32.8507



Tritanopia

10.6093, 9.9624, 11.0366

Trichromacy



Original Color

15.4689, 9.9530, 34.8240

Protanomaly

11.4171, 9.0362, 41.6998

Deuteranomaly

11.2283, 9.4435, 33.5787

Tritanomaly

11.9906, 9.7569, 17.7743

Monochromacy



Original Color

15.4689, 9.9530, 34.8240

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

11.3503, 9.8551, 17.8270

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.4689, 9.9530, 34.8240 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(116, 64, 161)` looks like.

```
.text, #text, p{  
    color:rgb(116, 64, 161)  
}
```

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(116, 64, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 64, 161) }
```

Border

The CSS property to change the border of an element to XYZ 15.4689, 9.9530, 34.8240 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(116, 64, 161) }
```


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

```
.border{ border-color:rgb(116, 64, 161) }
```

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

Here you see how a box with a 4 pixel rgb(116, 64, 161) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 64, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 64, 161);  
box-shadow:4px 4px 4px 4px rgb(116, 64,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 15.4689, 9.9530, 34.8240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 64, 161) }
```

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

```
.background{ background-color: rgb(116, 64,  
161) }
```

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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