

Converting Colors

XYZ(16.3225, 9.9323, 69.4644)

Have a look what the booklet for
XYZ(16.3225, 9.9323, 69.4644)
contains.

XYZ(16.3372, 9.9831, 69.4725)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(16.3372, 9.9831,
69.4725)**

Conversions

Conversions Part 1

Format	Color
Hex	3044DD
RGB	48, 68, 221
RGB Percent	19%, 27%, 87%
CMY	0.8117, 0.7333, 0.1333
CMYK	0.78, 0.69, 0.00, 0.13
HSL	233°, 72%, 53%
HSV	233°, 78%, 87%
XYZ	16.3372, 9.9831, 69.4725
YIQ	79.4620, -61.0330, 43.3430

Conversions

Conversions Part 2

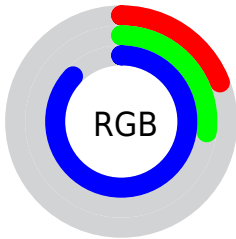
Format	Color
R_{YB}	48, 66, 221
Decimal	3163357
CIE _{Lab}	37.81, 46.05, -79.40
CIE _{LCh}	38, 91.790, 300.115
Yxy	9.9831, 0.1705, 0.1042
Android (android.graphics.Color)	4281353437 (0xFF3044DD)
YUV	79.4620, 69.7782, -27.5922
Hunter-Lab	31.5960, 37.0030, -108.2480

Details

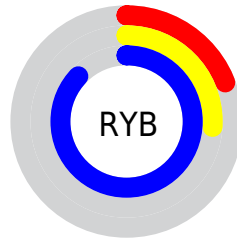
The XYZ color **16.3372, 9.9831, 69.4725** is a dark color, and the websafe version is hex **3333CC**. The color can be described as dark muted blue. A complement of this color would be **51.2432, 57.3666, 11.1699**, and the grayscale version is **7.3998, 7.7852, 8.4781**.

A 20% lighter version of the original color is **32.4373, 24.0802, 97.5460**, and **7.0275, 3.3336, 35.3950** is the 20% darker color. If you saturate the color by 10%, you get **14.5505, 7.5900, 69.1051**, and if you desaturate by 10%, it is **19.0378, 13.4319, 69.9962**.

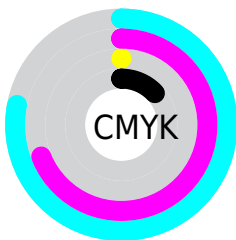
Distribution



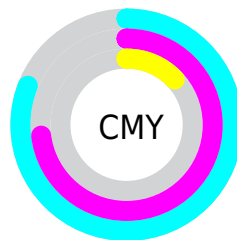
- Red (19%)
- Green (27%)
- Blue (87%)



- Red (19%)
- Yellow (26%)
- Blue (87%)



- Cyan (78%)
- Magenta (69%)
- Yellow (0%)
- Black (13%)



- Cyan (81%)
- Magenta (73%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.3372, 9.9831, 69.4725 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 16.3372, 9.9831, 69.4725 by changing the saturation by 10% instead.

■ 16.3372, 9.9831,
69.4725

■ 16.3372, 9.9831,
69.4725

224.5548,
190.5514, 477.4347

■ 9.8554, 5.3878,
50.6225

■ 36.7354, 25.7637,
120.1302

■ 5.3647, 2.4765,
35.5336

■ 51.3825, 37.7178,
152.7750

■ 2.4998, 0.8648,
23.7874

■ 69.4820, 52.8935,
190.8552

■ 0.8951, 0.0000,
14.9652

■ 91.3995, 71.6753,
234.7892

■ 0.0000, 0.0000,
8.6486

■ 117.5001, 94.4476,
284.9956

■ 0.0000, 0.0000,
4.4190

148.1493,

■ 0.0000, 0.0000,

121.5948, 341.8929

1.8579

183.7124,
153.5013, 405.8998

■ 0.0000, 0.0000,
0.4658

■ 0.0000, 0.0000,
0.0000

■ 16.3372, 9.9831,
69.4725

■ 16.3372, 9.9831,
69.4725

■ 14.5505, 7.5900,
69.1051

■ 19.0378, 13.4319,
69.9962

■ 13.5360, 6.1192,
68.8746

■ 22.7536, 18.0415,
70.6901

■ 13.4103, 5.9387,
68.8464

■ 27.5745, 23.9048,
71.5677

■ 33.5796, 31.1048,
72.6409

■ 40.8410, 39.7174,
73.9206

■ 49.4246, 49.8130,
75.4169

■ 59.3921, 61.4569,
77.1390

■ 70.8011, 74.7109,
79.0960

■ 83.7058, 89.6330,
81.2961

Harmonies

Analogous

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



9.5113, 9.9831, 85.5749



16.3372, 9.9831, 69.4725



22.9901, 9.9831, 36.1706

Triad

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



16.3372, 9.9831, 69.4725



16.2809, 9.9831, 0.0000



2.0936, 9.9831, 10.9349

Complementary

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



16.3372, 9.9831, 69.4725



51.2432, 57.3666, 11.1699

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.



2.6895, 9.9831, 1.4171



16.3372, 9.9831, 69.4725



9.4660, 9.9831, 0.0000

Square

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



16.3372, 9.9831, 69.4725



22.9493, 9.9831, 1.3884



4.8846, 9.9831, 0.0000



2.6993, 9.9831, 36.4215

Rectangle

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



16.3372, 9.9831, 69.4725



25.4751, 9.9831, 17.4021



4.8846, 9.9831, 0.0000



2.1552, 9.9831, 6.2189

Sweetspot

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



16.3378, 9.9833, 69.4728



62.2917, 61.7739, 103.2482



37.5975, 56.5504, 64.0803



12.4331, 12.1623, 21.9422



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



16.3378, 9.9833, 69.4728



19.1155, 9.0512, 95.3473



21.0906, 10.9348, 69.4060



12.4592, 12.8582, 16.4773



7.8323, 3.5341, 40.0077



0.5487, 0.3116, 2.6057

Inverse Universe

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



31.9198, 17.9046, 7.2422



41.8510, 21.7845, 4.2837



39.8483, 58.8645, 12.0596



13.1169, 13.0759, 13.8769



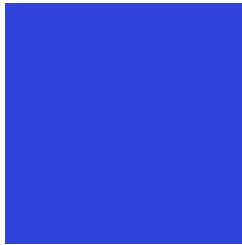
17.4487, 8.9805, 1.4771



1.1513, 0.5901, 0.2055

Previews

White Background



This preview shows how the XYZ color 16.3372, 9.9831, 69.4725 looks on a white background.

Color Contrast Check

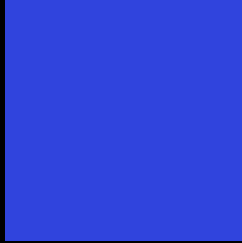
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.3372, 9.9831, 69.4725 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

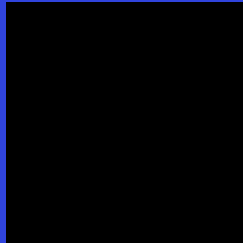
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.3372, 9.9831, 69.4725

Background



This preview shows how black text looks on a background with the XYZ color 16.3372, 9.9831, 69.4725.



This preview shows how white text looks on a background with the XYZ color 16.3372, 9.9831,

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

16.3372, 9.9831, 69.4725

Protanopia

11.4867, 9.7923, 44.4647

Deuteranopia

9.4909, 9.7821, 31.5249



Tritanopia

6.8664, 9.7348, 14.6138

Trichromacy



Original Color

16.3372, 9.9831, 69.4725

Protanomaly

12.8775, 9.6513, 52.8139

Deuteranomaly

11.3603, 9.5200, 43.3583

Tritanomaly

8.9058, 9.0421, 28.8797

Monochromacy



Original Color

16.3372, 9.9831, 69.4725

Achromatopsia

7.4317, 7.8187, 8.5146

Achromatomaly

8.9967, 7.8998, 22.5234

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3372, 9.9831, 69.4725 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(48, 68, 221)` looks like.

```
.text, #text, p{  
    color:rgb(48, 68, 221)  
}
```

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(48, 68, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 68, 221) }
```

Border

The CSS property to change the border of an element to XYZ 16.3372, 9.9831, 69.4725 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(48, 68, 221) }
```


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

```
.border{ border-color:rgb(48, 68, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 68, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 68, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 68, 221);  
box-shadow:4px 4px 4px 4px rgb(48, 68,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 16.3372, 9.9831, 69.4725 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 68, 221) }
```

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

```
.background{ background-color: rgb(48, 68,  
221) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor