

Converting Colors

XYZ(15.0630, 9.9785, 33.5252)

Have a look what the booklet for
XYZ(15.0630, 9.9785, 33.5252)
contains.

XYZ(15.0592, 9.9425, 33.4731)	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(15.0592, 9.9425,
33.4731)**

Conversions

Conversions Part 1

Format	Color
Hex	72429E
RGB	114, 66, 158
RGB Percent	45%, 26%, 62%
CMY	0.5529, 0.7412, 0.3804
CMYK	0.28, 0.58, 0.00, 0.38
HSL	271°, 41%, 44%
HSV	271°, 58%, 62%
XYZ	15.0592, 9.9425, 33.4731
YIQ	90.8400, -0.9240, 38.7880

Conversions

Conversions Part 2

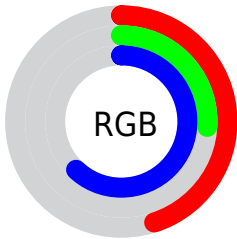
Format	Color
R_{YB}	114, 66, 158
Decimal	7488158
CIE _{Lab}	37.74, 38.92, -42.33
CIE _{LCh}	38, 57.504, 312.600
Yxy	9.9425, 0.2575, 0.1700
Android (android.graphics.Color)	4285678238 (0xFF72429E)
YUV	90.8400, 33.1099, 20.3113
Hunter-Lab	31.5317, 30.0691, -40.8682

Details

The XYZ color **15.0592, 9.9425, 33.4731** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **19.6409, 28.1623, 9.5553**, and the grayscale version is **9.8355, 10.3477, 11.2687**.

A 20% lighter version of the original color is **34.4041, 25.6197, 66.0826**, and **4.7886, 2.4656, 13.8592** is the 20% darker color. If you saturate the color by 10%, you get **13.3178, 7.8587, 33.1629**, and if you desaturate by 10%, it is **17.1376, 12.5789, 33.8726**.

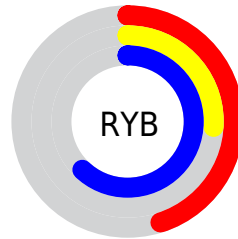
Distribution



Red (45%)

Green (26%)

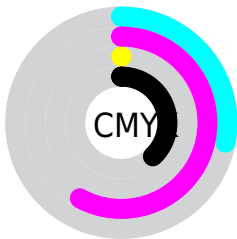
Blue (62%)



Red (45%)

Yellow (26%)

Blue (62%)

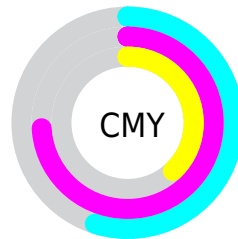


Cyan (28%)

Magenta (58%)

Yellow (0%)

Black (38%)



Cyan (55%)

Magenta (74%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.0592, 9.9425, 33.4731 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 15.0592, 9.9425, 33.4731 by changing the saturation by 10% instead.

■ 15.0592, 9.9425,
33.4731

■ 15.0592, 9.9425,
33.4731

217.1055,
190.2612, 332.4733

■ 8.9475, 5.3608,
22.2150

■ 34.5278, 25.6873,
66.2380

■ 4.7638, 2.4605,
13.8152

■ 48.6154, 37.6192,
88.5818

■ 2.1427, 0.8568,
7.8549

■ 66.0925, 52.7700,
115.4580

■ 0.7123, 0.0000,
3.9158

■ 87.3242, 71.5241,
147.2852

■ 0.0000, 0.0000,
1.5793

■ 112.6760, 94.2659,
184.4817

■ 0.0000, 0.0000,
0.2760

142.5133,

■ 0.0000, 0.0000,

121.3797, 227.4662

0.0000

177.2013,
153.2500, 276.6573

■ 15.0592, 9.9425,
33.4731

■ 15.0592, 9.9425,
33.4731

■ 13.3178, 7.8587,
33.1629

■ 17.1376, 12.5789,
33.8726

■ 11.8887, 6.2822,
32.9339

■ 19.5729, 15.8059,
34.3671

■ 10.7450, 5.1621,
32.7780

■ 22.3844, 19.6595,
34.9628

■ 9.8382, 4.4040,
32.6794

■ 25.5899, 24.1724,
35.6649

■ 9.6893, 4.2821,
32.6637

■ 29.2059, 29.3748,
36.4785

■ 33.2477, 35.2952,
37.4082

■ 37.7299, 41.9604,
38.4585

■ 42.6665, 49.3958,
39.6335

■ 48.0706, 57.6256,
40.9371

Harmonies

Analogous

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



11.0700, 9.9425, 44.8163



15.0592, 9.9425, 33.4731



17.8825, 9.9425, 18.0412

Triad

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



15.0592, 9.9425, 33.4731



11.7148, 9.9425, 0.7128



4.1112, 9.9425, 15.8447

Complementary

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



15.0592, 9.9425, 33.4731



19.6409, 28.1623, 9.5553

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.



4.1994, 9.9425, 5.8476



15.0592, 9.9425, 33.4731



7.9964, 9.9425, 0.6256

Square

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



15.0592, 9.9425, 33.4731



15.6351, 9.9425, 2.1113



5.4419, 9.9425, 1.7347



5.1584, 9.9425, 31.0029

Rectangle

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



15.0592, 9.9425, 33.4731



18.3685, 9.9425, 9.9369



5.4419, 9.9425, 1.7347



4.0188, 9.9425, 11.7660

Sweetspot

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



15.0596, 9.9429, 33.4733



47.0275, 44.6899, 64.8908



14.0451, 14.8801, 34.4798



10.3418, 9.7044, 14.5717



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.



15.0596, 9.9429, 33.4733



23.3107, 13.2768, 60.0775



22.0894, 13.5820, 33.1176



6.5983, 6.5969, 8.3322



7.8059, 3.4531, 26.1623



0.1883, 0.0869, 0.4701

Inverse Universe

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



18.8635, 12.2916, 16.1304



31.4317, 18.2839, 23.3855



15.5031, 26.0239, 9.6008



6.7585, 6.6963, 7.5796



12.3455, 6.2428, 6.0704



0.2420, 0.1201, 0.2206

Previews

White Background



This preview shows how the XYZ color 15.0592, 9.9425, 33.4731 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 15.0592, 9.9425, 33.4731 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

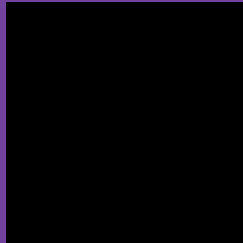
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.0592, 9.9425, 33.4731

Background



This preview shows how black text looks on a background with the XYZ color 15.0592, 9.9425, 33.4731.



This preview shows how white text looks on a background with the XYZ color 15.0592, 9.9425,

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

15.0592, 9.9425, 33.4731

Protanopia

11.8905, 10.1299, 43.9764

Deuteranopia

10.3204, 10.0837, 31.5394



Tritanopia

10.5381, 9.9208, 11.2570

Trichromacy



Original Color

15.0592, 9.9425, 33.4731

Protanomaly

11.8916, 9.4318, 39.7218

Deuteranomaly

11.2427, 9.4804, 32.2477

Tritanomaly

11.6922, 9.6097, 17.4583

Monochromacy



Original Color

15.0592, 9.9425, 33.4731

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

11.2574, 9.9250, 17.5421

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.0592, 9.9425, 33.4731 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(114, 66, 158)` looks like.

```
.text, #text, p{  
    color:rgb(114, 66, 158)  
}
```

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(114, 66, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 66, 158) }
```

Border

The CSS property to change the border of an element to XYZ 15.0592, 9.9425, 33.4731 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(114, 66, 158) }
```


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

```
.border{ border-color:rgb(114, 66, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 66, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 66, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 66, 158);  
box-shadow:4px 4px 4px 4px rgb(114, 66,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 15.0592, 9.9425, 33.4731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 66, 158) }
```

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

```
.background{ background-color: rgb(114, 66,  
158) }
```

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