

Converting Colors

XYZ(15.9133, 13.0790, 36.0397)

Have a look what the booklet for
XYZ(15.9133, 13.0790, 36.0397)
contains.

XYZ(15.9423, 13.1465, 35.8797)	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(15.9423, 13.1465,
35.8797)**

Conversions

Conversions Part 1

Format	Color
Hex	675CA2
RGB	103, 92, 162
RGB Percent	40%, 36%, 64%
CMY	0.5961, 0.6392, 0.3647
CMYK	0.36, 0.43, 0.00, 0.36
HSL	249°, 28%, 50%
HSV	249°, 43%, 64%
XYZ	15.9423, 13.1465, 35.8797
YIQ	103.2690, -15.9140, 24.1020

Conversions

Conversions Part 2

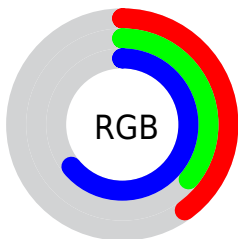
Format	Color
R _{YB}	103, 92, 162
Decimal	6773922
CIE _{Lab}	42.98, 21.51, -36.45
CIE _{LCh}	43, 42.320, 300.545
Y _{xy}	13.1465, 0.2454, 0.2024
Android (android.graphics.Color)	4284964002 (0xFF675CA2)
Y _{UV}	103.2690, 28.9544, -0.2359
Hunter-Lab	36.2581, 15.0329, -33.2906

Details

The XYZ color **15.9423, 13.1465, 35.8797** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **27.6146, 33.1928, 15.0770**, and the grayscale version is **12.8925, 13.5639, 14.7711**.

A 20% lighter version of the original color is **35.9077, 31.4237, 69.8185**, and **5.2076, 3.8098, 15.2128** is the 20% darker color. If you saturate the color by 10%, you get **13.2458, 9.8914, 35.3938**, and if you desaturate by 10%, it is **19.1956, 17.1346, 36.4783**.

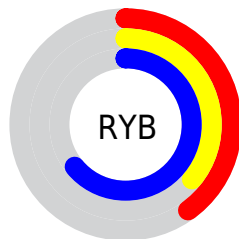
Distribution



Red (40%)

Green (36%)

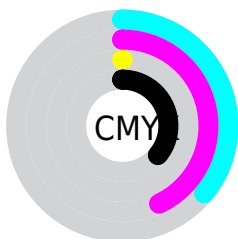
Blue (64%)



Red (40%)

Yellow (36%)

Blue (64%)

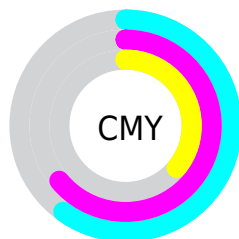


Cyan (36%)

Magenta (43%)

Yellow (0%)

Black (36%)



Cyan (60%)

Magenta (64%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.9423, 13.1465, 35.8797 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 15.9423, 13.1465, 35.8797 by changing the saturation by 10% instead.

■ 15.9423, 13.1465,
35.8797

■ 15.9423, 13.1465,
35.8797

222.2781,
211.8544, 343.4559

■ 9.5739, 7.5295,
24.0523

■ 36.0563, 31.5667,
70.0133

■ 5.1775, 3.7954,
15.1599

■ 50.5326, 45.1387,
93.1566

■ 2.3876, 1.5598,
8.7838

■ 68.4422, 62.1312,
120.9090

■ 0.8389, 0.3303,
4.5056

■ 90.1505, 82.9286,
153.6890

■ 0.0000, 0.0000,
1.9066

116.0230,
107.9152, 191.9152

■ 0.0000, 0.0000,
0.4969

146.4248,

■ 0.0000, 0.0000,

137.4754, 236.0060

0.0000

181.7214,
171.9937, 286.3801

■ 15.9423, 13.1465,
35.8797

■ 15.9423, 13.1465,
35.8797

■ 13.2458, 9.8914,
35.3938

■ 19.1956, 17.1346,
36.4783

■ 11.0730, 7.3228,
35.0125

■ 23.0335, 21.8953,
37.1949

■ 9.3894, 5.3912,
34.7284

■ 27.4834, 27.4673,
38.0359

■ 8.1555, 4.0396,
34.5326

■ 32.5708, 33.8861,
39.0067

■ 7.3254, 3.2007,
34.4144

■ 38.3197, 41.1851,
40.1125

■ 6.9340, 2.8212,
34.3618

■ 44.7527, 49.3960,
41.3583

■ 51.8914, 58.5488,
42.7487

■ 59.7565, 68.6721,
44.2882

■ 68.3678, 79.7934,
45.9810

Harmonies

Analogous

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



12.5548, 13.1465, 40.6512



15.9423, 13.1465, 35.8797



18.7541, 13.1465, 25.0229

Triad

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



15.9423, 13.1465, 35.8797



15.8218, 13.1465, 3.7112



7.2368, 13.1465, 14.4848

Complementary

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



15.9423, 13.1465, 35.8797



27.6146, 33.1928, 15.0770

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.



7.8116, 13.1465, 7.2022



15.9423, 13.1465, 35.8797



12.4361, 13.1465, 2.8493

Square

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



15.9423, 13.1465, 35.8797



18.6765, 13.1465, 7.0177



9.5849, 13.1465, 3.7807



7.8550, 13.1465, 25.4523

Rectangle

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



15.9423, 13.1465, 35.8797



19.7163, 13.1465, 17.4553



9.5849, 13.1465, 3.7807



7.2956, 13.1465, 11.5747

Sweetspot

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



15.9428, 13.1470, 35.8800



49.8607, 49.8230, 69.0450



22.0828, 27.1788, 38.2648



10.7918, 10.6792, 15.4300



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



15.9428, 13.1470, 35.8800



24.1435, 18.0727, 64.2720



20.7478, 15.6240, 36.1049



6.7994, 6.9109, 8.8786



5.4877, 2.2355, 27.0720



0.1431, 0.0613, 0.5701

Inverse Universe

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



24.3135, 17.5704, 31.3877



41.5392, 27.2787, 54.3228



22.1215, 30.3610, 14.8199



7.3163, 7.1830, 8.6519



15.2831, 7.4693, 19.2134



0.3332, 0.1618, 0.4673

Previews

White Background



This preview shows how the XYZ color 15.9423, 13.1465, 35.8797 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 15.9423, 13.1465, 35.8797 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 15.9423, 13.1465, 35.8797

Background



This preview shows how black text looks on a background with the XYZ color 15.9423, 13.1465, 35.8797.



This preview shows how white text looks on a background with the XYZ color 15.9423, 13.1465,

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

15.9423, 13.1465, 35.8797

Protanopia

14.3709, 13.2047, 39.3275

Deuteranopia

13.6223, 13.3429, 35.1152



Tritanopia

12.1331, 13.1235, 16.9325

Trichromacy



Original Color

15.9423, 13.1465, 35.8797

Protanomaly

14.7220, 13.0037, 37.8104

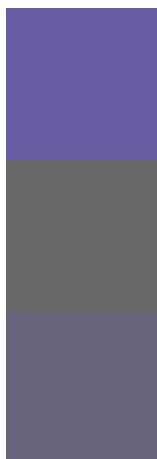
Deuteranomaly

14.2804, 13.1024, 35.4946

Tritanomaly

13.3150, 13.0222, 22.9309

Monochromacy



Original Color

15.9423, 13.1465, 35.8797

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

13.6934, 13.2625, 20.9070

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.9423, 13.1465, 35.8797 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(103, 92, 162)` looks like.

```
.text, #text, p{  
    color:rgb(103, 92, 162)  
}
```

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(103, 92, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 92, 162) }
```

Border

The CSS property to change the border of an element to XYZ 15.9423, 13.1465, 35.8797 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(103, 92, 162) }
```


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

```
.border{ border-color:rgb(103, 92, 162) }
```

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

Here you see how a box with a 4 pixel rgb(103, 92, 162) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 92, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 92, 162);  
box-shadow:4px 4px 4px 4px rgb(103, 92,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 15.9423, 13.1465, 35.8797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 92, 162) }
```

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

```
.background{ background-color: rgb(103, 92,  
162) }
```

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