

Converting Colors

XYZ(15.0700, 13.0658, 3.6155)

Have a look what the booklet for
XYZ(15.0700, 13.0658, 3.6155)
contains.

XYZ(15.0939, 13.0420, 3.6413)	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(15.0939, 13.0420,
3.6413)**

Conversions

Conversions Part 1

Format	Color
Hex	8E5927
RGB	142, 89, 39
RGB Percent	56%, 35%, 15%
CMY	0.4431, 0.6510, 0.8471
CMYK	0.00, 0.37, 0.73, 0.44
HSL	29°, 57%, 35%
HSV	29°, 73%, 56%
XYZ	15.0939, 13.0420, 3.6413
YIQ	99.1470, 47.6380, -4.3140

Conversions

Conversions Part 2

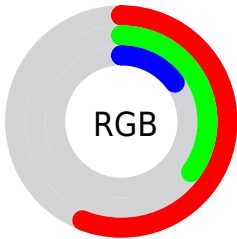
Format	Color
R_{YB}	142, 136, 39
Decimal	9328935
CIE Lab	42.83, 17.20, 36.99
CIE LCh	43, 40.793, 65.059
Yxy	13.0420, 0.4750, 0.4104
Android (android.graphics.Color)	4287519015 (0xFF8E5927)
YUV	99.1470, -29.6525, 37.5821
Hunter-Lab	36.1137, 11.4059, 19.3015

Details

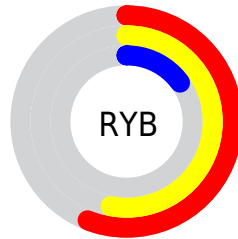
The XYZ color **15.0939, 13.0420, 3.6413** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **9.5461, 10.0382, 27.0254**, and the grayscale version is **11.9612, 12.5841, 13.7041**.

A 20% lighter version of the original color is **34.5061, 31.2955, 13.2388**, and **4.7944, 3.7540, 0.4719** is the 20% darker color. If you saturate the color by 10%, you get **14.3231, 11.8092, 2.4330**, and if you desaturate by 10%, it is **16.0137, 14.4321, 5.3342**.

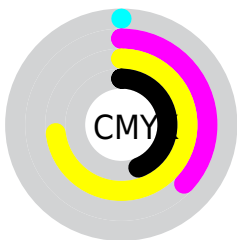
Distribution



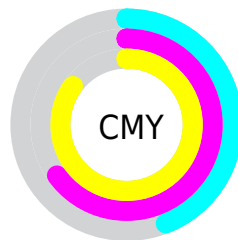
- Red (56%)
- Green (35%)
- Blue (15%)



- Red (56%)
- Yellow (53%)
- Blue (15%)



- Cyan (0%)
- Magenta (37%)
- Yellow (73%)
- Black (44%)



- Cyan (44%)
- Magenta (65%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.0939, 13.0420, 3.6413 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 15.0939, 13.0420, 3.6413 by changing the saturation by 10% instead.

■ 15.0939, 13.0420,
3.6413

■ 15.0939, 13.0420,
3.6413

217.3110,
211.1867, 144.1509

■ 8.9721, 7.4575,
1.4307

■ 34.5881, 31.3792,
13.1737

■ 4.7799, 3.7498,
0.1655

■ 48.6912, 44.9007,
21.3325

■ 2.1521, 1.5346,
0.0000

■ 66.1855, 61.8366,
32.3112

■ 0.7173, 0.3129,
0.0000

■ 87.4362, 82.5714,
46.5282

■ 0.0000, 0.0000,
0.0000

■ 112.8087,
107.4894, 64.4022

■ 142.6685,

136.9750, 86.3516

177.3808,
171.4126, 112.7949

15.0939, 13.0420,
3.6413

15.0939, 13.0420,
3.6413

14.3231, 11.8092,
2.4330

16.0137, 14.4321,
5.3342

13.6884, 10.7240,
1.6531

17.0923, 15.9845,
7.5580

13.2795, 9.9992,
1.2301

18.3392, 17.7060,
10.3544

19.7629, 19.6026,
13.7605

21.3714, 21.6798,
17.8105

■ 23.1720, 23.9429,
22.5358

■ 25.1716, 26.3969,
27.9658

■ 27.3767, 29.0466,
34.1283

■ 29.7935, 31.8966,
41.0493

Harmonies

Analogous

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



17.9666, 13.0420, 6.4570



15.0939, 13.0420, 3.6413



11.8759, 13.0420, 3.0576

Triad

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



15.0939, 13.0420, 3.6413



7.3405, 13.0420, 15.7657



16.1601, 13.0420, 33.3503

Complementary

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



15.0939, 13.0420, 3.6413



9.5461, 10.0382, 27.0254

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.



12.9311, 13.0420, 39.0191



15.0939, 13.0420, 3.6413



8.1153, 13.0420, 26.4919

Square

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



15.0939, 13.0420, 3.6413



7.7240, 13.0420, 8.1314



10.0405, 13.0420, 36.0918



18.6508, 13.0420, 22.7205

Rectangle

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



15.0939, 13.0420, 3.6413



10.0307, 13.0420, 3.6473



10.0405, 13.0420, 36.0918



15.1067, 13.0420, 36.0640

Sweetspot

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



15.0942, 13.0427, 3.6415



37.7099, 38.2600, 31.4667



13.8221, 7.9784, 10.9866



8.2686, 8.3487, 6.6336



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



15.0942, 13.0427, 3.6415



24.5289, 19.5942, 3.3462



20.9410, 24.7362, 5.5905



5.6114, 5.8291, 5.7187



11.9414, 9.0145, 1.1106



0.1361, 0.1300, 0.0179

Inverse Universe

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



9.5461, 10.0382, 27.0254



14.1431, 13.9559, 47.0762



6.5024, 3.9508, 26.0109



5.3446, 5.6850, 6.8444



6.5452, 6.0763, 23.8050



0.0846, 0.1022, 0.2349

Previews

White Background



This preview shows how the XYZ color 15.0939, 13.0420, 3.6413 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



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

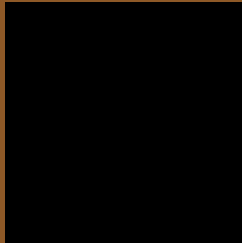
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.0939, 13.0420, 3.6413

Background



This preview shows how black text looks on a background with the XYZ color 15.0939, 13.0420, 3.6413.



This preview shows how white text looks on a background with the XYZ color 15.0939, 13.0420,

3.6413.

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

15.0939, 13.0420, 3.6413

Protanopia

11.9975, 13.1879, 4.1987

Deuteranopia

13.3610, 13.1950, 3.5929



Tritanopia

16.6928, 13.0986, 11.3213

Trichromacy



Original Color

15.0939, 13.0420, 3.6413

Protanomaly

13.0048, 13.0016, 4.0146

Deuteranomaly

13.8683, 13.0509, 3.6219

Tritanomaly

15.9667, 13.0398, 7.6366

Monochromacy



Original Color

15.0939, 13.0420, 3.6413

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

12.5020, 12.3651, 8.7490

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.0939, 13.0420, 3.6413 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(142, 89, 39)` looks like.

```
.text, #text, p{  
    color:rgb(142, 89, 39)  
}
```

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(142, 89, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 89, 39) }
```

Border

The CSS property to change the border of an element to XYZ 15.0939, 13.0420, 3.6413 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(142, 89, 39) }
```


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

```
.border{ border-color:rgb(142, 89, 39) }
```

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

Here you see how a box with a 4 pixel rgb(142, 89, 39) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 89, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 89, 39);  
box-shadow:4px 4px 4px 4px rgb(142, 89,  
39) }
```

Background

The CSS property to change the background color of an element to XYZ 15.0939, 13.0420, 3.6413 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 89, 39) }
```

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

```
.background{ background-color: rgb(142, 89,  
39) }
```

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