

Converting Colors

XYZ(13.5813, 8.0267, 0.8335)

Have a look what the booklet for
XYZ(13.5813, 8.0267, 0.8335)
contains.

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Color

**XYZ(13.6420, 8.0616,
0.8370)**

Conversions

Conversions Part 1

Format	Color
Hex	982600
RGB	152, 38, 0
RGB Percent	60%, 15%, 0%
CMY	0.4039, 0.8509, 1.0000
CMYK	0.00, 0.75, 1.00, 0.40
HSL	15°, 100%, 30%
HSV	15°, 100%, 60%
XYZ	13.6420, 8.0616, 0.8370
YIQ	67.7540, 80.1420, 12.3500

Conversions

Conversions Part 2

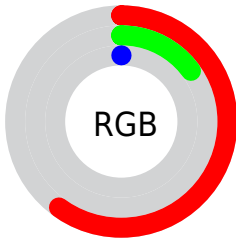
Format	Color
RYB	152, 51, 0
Decimal	9971200
CIELab	34.11, 45.79, 46.84
CIElCh	34, 65.506, 45.647
Yxy	8.0616, 0.6052, 0.3576
Android (android.graphics.Color)	4288161280 (0xFF982600)
YUV	67.7540, -33.4027, 73.8837
Hunter-Lab	28.3930, 36.0764, 18.1273

Details

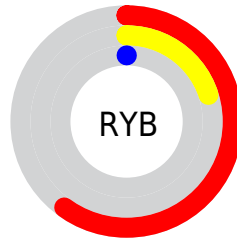
The XYZ color **13.6420, 8.0616, 0.8370** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **11.6838, 14.2997, 31.8499**, and the grayscale version is **5.4984, 5.7847, 6.2995**.

A 20% lighter version of the original color is **32.1131, 22.1722, 5.4928**, and **4.4136, 2.2753, 0.2066** is the 20% darker color. If you saturate the color by 10%, you get **13.6422, 8.0621, 0.8371**, and if you desaturate by 10%, it is **14.1519, 8.9413, 1.4394**.

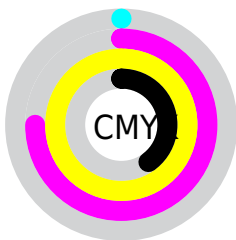
Distribution



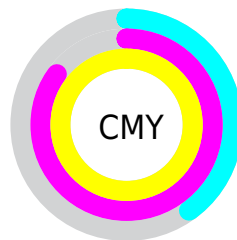
- Red (60%)
- Green (15%)
- Blue (0%)



- Red (60%)
- Yellow (20%)
- Blue (0%)



- Cyan (0%)
- Magenta (75%)
- Yellow (100%)
- Black (40%)




- Cyan (40%)
- Magenta (85%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.6420, 8.0616, 0.8370 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 13.6420, 8.0616, 0.8370 by changing the saturation by 10% instead.


 13.6420, 8.0616,
0.8370


 13.6420, 8.0616,
0.8370


 208.5477,
176.2144, 100.5015


 7.9521, 4.1344,
0.0000


 32.0440, 22.0791,
5.5244


 4.1159, 1.7490,
0.0000

 45.4869, 32.9382,
10.3521


 1.7679, 0.4551,
0.0000

 62.2449, 46.8767,
17.3958

 0.4982, 0.0000,
0.0000

 82.6832, 64.2790,
27.0739


 0.0000, 0.0000,
0.0000


 107.1673, 85.5296,
39.8049


 136.0625,


111.0127, 56.0075


 169.7342,
141.1128, 76.1002


 13.6420, 8.0616,
0.8370


 13.6420, 8.0616,
0.8370


 13.6422, 8.0621,
0.8371

 14.1519, 8.9413,
1.4394

 14.8467, 10.0880,
2.4199

 15.7648, 11.5308,
3.9384

 16.9254, 13.2896,
6.0597

 18.3459, 15.3822,
8.8396

■ 20.0414, 17.8255,
12.3271

■ 22.0263, 20.6346,
16.5669

■ 24.3137, 23.8242,
21.5996

■ 26.9159, 27.4079,
27.4632

Harmonies

Analogous

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



16.5265, 8.0616, 4.4189



13.6420, 8.0616, 0.8370



9.5236, 8.0616, 0.0000

Triad

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



13.6420, 8.0616, 0.8370



2.6985, 8.0616, 4.7004



9.7006, 8.0616, 45.4552

Complementary

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



13.6420, 8.0616, 0.8370



11.6838, 14.2997, 31.8499

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.



6.0609, 8.0616, 45.8056



13.6420, 8.0616, 0.8370



2.7189, 8.0616, 15.3390

Square

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



13.6420, 8.0616, 0.8370



3.6803, 8.0616, 0.9102



3.7491, 8.0616, 32.1924



13.8063, 8.0616, 31.4396

Rectangle

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



13.6420, 8.0616, 0.8370



6.9966, 8.0616, 0.0000



3.7491, 8.0616, 32.1924



8.3690, 8.0616, 47.4072

Sweetspot

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



13.6422, 8.0621, 0.8371



38.6600, 36.1148, 28.7679



15.9860, 7.8903, 16.5999



8.4667, 7.7570, 5.8491



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



13.6422, 8.0621, 0.8371



23.9585, 13.9876, 1.4371



18.9661, 18.7099, 2.6118



6.3281, 6.4612, 6.5195



11.4605, 6.8034, 0.7091



0.1969, 0.1529, 0.0191

Inverse Universe

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



11.6838, 14.2997, 31.8499



20.4767, 24.9474, 56.1698



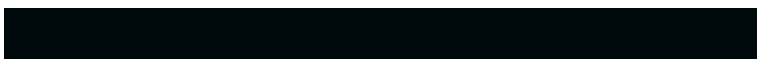
6.3606, 3.6532, 30.0754



6.2537, 6.7648, 7.9051



9.8220, 12.0407, 26.7141



0.1748, 0.2360, 0.4087

Previews

White Background



This preview shows how the XYZ color 13.6420, 8.0616, 0.8370 looks on a white background.

Color Contrast Check

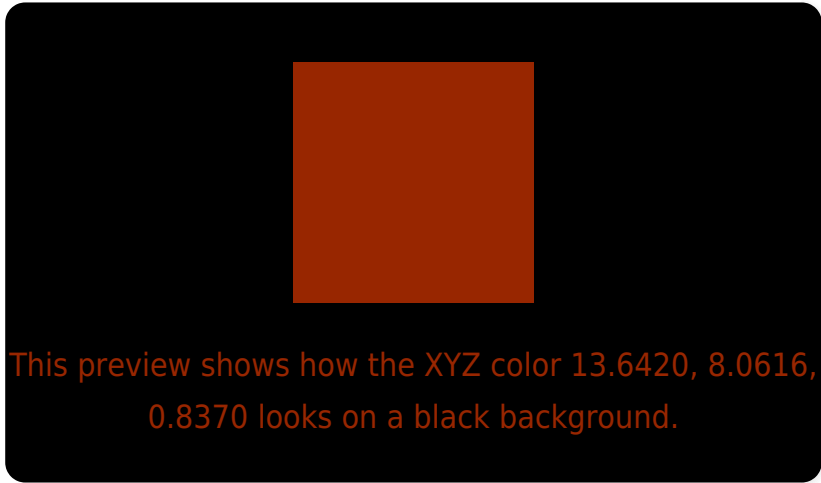
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

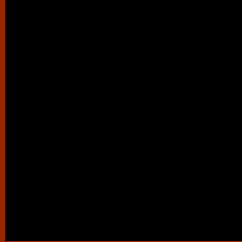
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.6420, 8.0616, 0.8370

Background



This preview shows how black text looks on a background with the XYZ color 13.6420, 8.0616, 0.8370.



This preview shows how white text looks on a background with the XYZ color 13.6420, 8.0616,

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

13.6420, 8.0616, 0.8370

Protanopia

7.5321, 8.3504, 1.7451

Deuteranopia

8.3179, 8.3323, 1.1699



Tritanopia

13.8982, 8.0645, 2.4932

Trichromacy



Original Color

13.6420, 8.0616, 0.8370

Protanomaly

8.9480, 7.4980, 1.2923

Deuteranomaly

9.6627, 7.6200, 0.9615

Tritanomaly

13.7651, 8.0604, 1.6409

Monochromacy



Original Color

13.6420, 8.0616, 0.8370

Achromatopsia

5.4944, 5.7805, 6.2950

Achromatomaly

7.0448, 5.7533, 3.0247

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.6420, 8.0616, 0.8370 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(152, 38, 0)` looks like.

```
.text, #text, p{  
    color:rgb(152, 38, 0)  
}
```

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(152, 38, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 38, 0) }
```

Border

The CSS property to change the border of an element to XYZ 13.6420, 8.0616, 0.8370 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(152, 38, 0) }
```


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

```
.border{ border-color:rgb(152, 38, 0) }
```

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

Here you see how a box with a 4 pixel rgb(152, 38, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 38, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 38, 0);  
box-shadow:4px 4px 4px 4px rgb(152, 38, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.6420, 8.0616, 0.8370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 38, 0) }
```

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

```
.background{ background-color: rgb(152, 38,  
0) }
```

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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