

Converting Colors

XYZ(13.2233, 6.9451, 0.6436)

Have a look what the booklet for
XYZ(13.2233, 6.9451, 0.6436)
contains.

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Color

**XYZ(13.2237, 6.9460,
0.6437)**

Conversions

Conversions Part 1

Format	Color
Hex	990800
RGB	153, 8, 0
RGB Percent	60%, 3%, 0%
CMY	0.4000, 0.9685, 1.0000
CMYK	0.00, 0.95, 1.00, 0.40
HSL	3°, 100%, 30%
HSV	3°, 100%, 60%
XYZ	13.2237, 6.9460, 0.6437
YIQ	50.4430, 88.9880, 28.2520

Conversions

Conversions Part 2

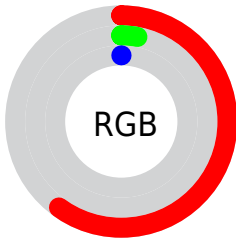
Format	Color
R_{YB}	153, 8, 0
Decimal	10029056
CIE _{Lab}	31.68, 53.55, 45.42
CIE _{LCh}	32, 70.219, 40.303
Yxy	6.9460, 0.6353, 0.3337
Android (android.graphics.Color)	4288219136 (0xFF990800)
YUV	50.4430, -24.8684, 89.9425
Hunter-Lab	26.3553, 43.4403, 17.0006

Details

The XYZ color **13.2237, 6.9460, 0.6437** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **15.8712, 22.5429, 33.6514**, and the grayscale version is **3.1043, 3.2660, 3.5567**.

A 20% lighter version of the original color is **31.4368, 19.9812, 4.9962**, and **4.4136, 2.2753, 0.2066** is the 20% darker color. If you saturate the color by 10%, you get **13.2239, 6.9464, 0.6438**, and if you desaturate by 10%, it is **13.5221, 7.4016, 1.1792**.

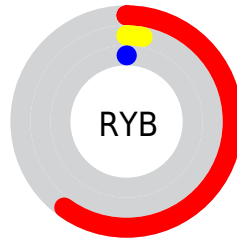
Distribution



Red (60%)

Green (3%)

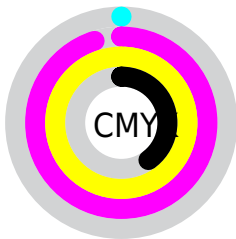
Blue (0%)



Red (60%)

Yellow (3%)

Blue (0%)

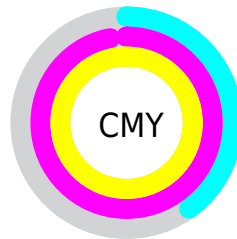


Cyan (0%)

Magenta (95%)

Yellow (100%)

Black (40%)



Cyan (40%)


Magenta (97%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.2237, 6.9460, 0.6437 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 13.2237, 6.9460, 0.6437 by changing the saturation by 10% instead.


 13.2237, 6.9460,
0.6437


 13.2237, 6.9460,
0.6437


 205.9551,
167.2142, 96.2811


 7.6608, 3.4284,
0.0000


 31.3030, 19.8645,
4.9283


 3.9287, 1.3592,
0.0000

 44.5501, 30.0341,
9.4397

 1.6619, 0.1864,
0.0000

 61.0894, 43.1899,
16.0998

 0.4322, 0.0000,
0.0000

 81.2861, 59.7162,
25.3272


 0.0000, 0.0000,
0.0000

 105.5057, 79.9973,
37.5406


 134.1135,


104.4178, 53.1583


 167.4749,
133.3620, 72.5990

 13.2237, 6.9460,
0.6437


 13.2237, 6.9460,
0.6437


 13.2239, 6.9464,
0.6438

 13.5221, 7.4016,
1.1792

 14.0410, 8.1934,
2.1103

 14.8345, 9.3818,
3.6034

 15.9335, 11.0095,
5.7284

 17.3650, 13.1136,
8.5449

■ 19.1528, 15.7276,
12.1056

■ 21.3187, 18.8816,
16.4583

■ 23.8826, 22.6037,
21.6466

■ 26.8631, 26.9198,
27.7110

Harmonies

Analogous

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



15.7480, 6.9460, 4.5995



13.2237, 6.9460, 0.6437



9.1553, 6.9460, 0.0000

Triad

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



13.2237, 6.9460, 0.6437



2.0608, 6.9460, 2.7313



7.8877, 6.9460, 47.1398

Complementary

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



13.2237, 6.9460, 0.6437



15.8712, 22.5429, 33.6514

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.



4.5739, 6.9460, 44.4122



13.2237, 6.9460, 0.6437



1.9316, 6.9460, 11.5855

Square

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



13.2237, 6.9460, 0.6437



3.1211, 6.9460, 0.0752



2.6693, 6.9460, 28.2983



12.0172, 6.9460, 34.0589

Rectangle

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



13.2237, 6.9460, 0.6437



6.5662, 6.9460, 0.0000



2.6693, 6.9460, 28.2983



6.6378, 6.9460, 48.2052

Sweetspot

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



13.2239, 6.9464, 0.6438



37.9303, 33.4525, 28.9721



18.2746, 8.8274, 27.6702



8.0309, 6.8855, 5.7039



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.



13.2239, 6.9464, 0.6438



23.6399, 12.3550, 1.1388



16.3187, 13.1361, 1.6754



6.2335, 6.2721, 6.4879



10.9372, 5.7569, 0.5347



0.1696, 0.0982, 0.0100

Inverse Universe

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



15.8712, 22.5429, 33.6514



28.3805, 40.2854, 60.2520



7.8686, 6.5377, 30.9839



6.3568, 6.9710, 7.9395



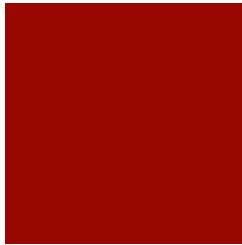
13.1251, 18.6468, 27.8151



0.2035, 0.2933, 0.4183

Previews

White Background



This preview shows how the XYZ color 13.2237, 6.9460, 0.6437 looks on a white background.

Color Contrast Check

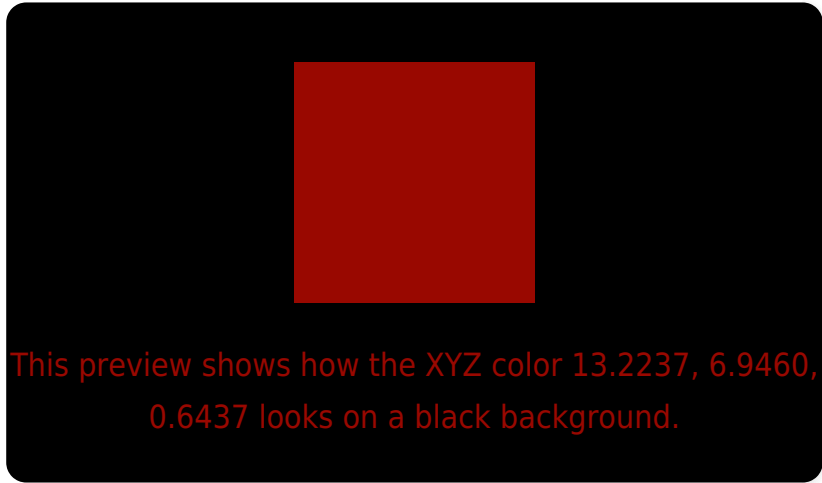
Large Text (above 18pt) WCAG AA ✓ Pass

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

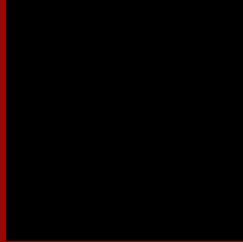
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.2237, 6.9460, 0.6437

Background



This preview shows how black text looks on a background with the XYZ color 13.2237, 6.9460, 0.6437.



This preview shows how white text looks on a background with the XYZ color 13.2237, 6.9460,

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

13.2237, 6.9460, 0.6437

Protanopia

6.7811, 7.5255, 1.7570

Deuteranopia

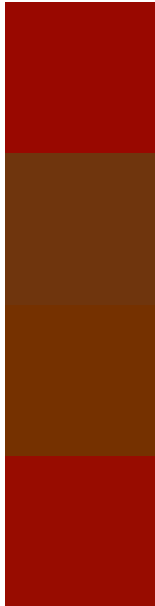
7.3123, 7.3065, 1.0249



Tritanopia

13.1059, 6.9895, 0.6583

Trichromacy



Original Color

13.2237, 6.9460, 0.6437

Protanomaly

7.9013, 5.9548, 1.1137

Deuteranomaly

8.4344, 5.9785, 0.7094

Tritanomaly

13.0804, 6.9383, 0.6498

Monochromacy



Original Color

13.2237, 6.9460, 0.6437

Achromatopsia

3.0317, 3.1896, 3.4735

Achromatomaly

4.7922, 3.3326, 1.7572

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2237, 6.9460, 0.6437 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(153, 8, 0)` looks like.

```
.text, #text, p{  
    color:rgb(153, 8, 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(153, 8, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 8, 0) }
```

Border

The CSS property to change the border of an element to XYZ 13.2237, 6.9460, 0.6437 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(153, 8, 0) }
```


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

```
.border{ border-color:rgb(153, 8, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 8, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 8, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(153, 8, 0); box-shadow:4px  
4px 4px 4px rgb(153, 8, 0) }
```

Background

The CSS property to change the background color of an element to XYZ 13.2237, 6.9460, 0.6437 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 8, 0) }
```

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

```
.background{ background-color: rgb(153, 8,  
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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