

Converting Colors

XYZ(13.4115, 7.3215, 0.7063)

Have a look what the booklet for
XYZ(13.4115, 7.3215, 0.7063)
contains.

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Color

**XYZ(13.4050, 7.3086,
0.7042)**

Conversions

Conversions Part 1

Format	Color
Hex	991500
RGB	153, 21, 0
RGB Percent	60%, 8%, 0%
CMY	0.4000, 0.9176, 1.0000
CMYK	0.00, 0.86, 1.00, 0.40
HSL	8°, 100%, 30%
HSV	8°, 100%, 60%
XYZ	13.4050, 7.3086, 0.7042
YIQ	58.0740, 85.4130, 21.4530

Conversions

Conversions Part 2

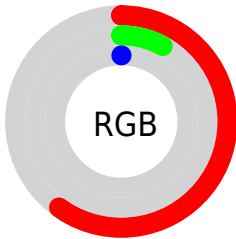
Format	Color
R_{YB}	153, 24, 0
Decimal	10032384
CIE Lab	32.50, 51.21, 45.96
CIE LCh	32, 68.814, 41.906
Yxy	7.3086, 0.6259, 0.3412
Android (android.graphics.Color)	4288222464 (0xFF991500)
YUV	58.0740, -28.6305, 83.2501
Hunter-Lab	27.0344, 41.1989, 17.3797

Details

The XYZ color **13.4050, 7.3086, 0.7042** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **13.9993, 18.7990, 33.0274**, and the grayscale version is **4.0617, 4.2733, 4.6536**.

A 20% lighter version of the original color is **31.5003, 20.5453, 5.1017**, and **4.4136, 2.2753, 0.2066** is the 20% darker color. If you saturate the color by 10%, you get **13.4051, 7.3090, 0.7043**, and if you desaturate by 10%, it is **13.8032, 7.9638, 1.2729**.

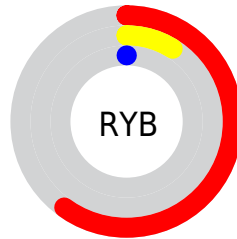
Distribution



Red (60%)

Green (8%)

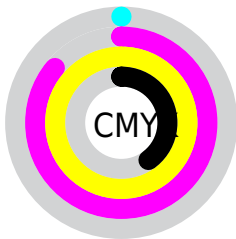
Blue (0%)



Red (60%)

Yellow (9%)

Blue (0%)

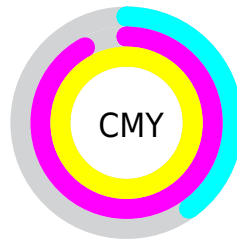


Cyan (0%)

Magenta (86%)

Yellow (100%)

Black (40%)



Cyan (40%)


Magenta (92%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.4050, 7.3086, 0.7042 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 13.4050, 7.3086, 0.7042 by changing the saturation by 10% instead.

 13.4050, 7.3086,
0.7042


 13.4050, 7.3086,
0.7042


 207.0828,
170.2039, 97.5891


 7.7869, 3.6558,
0.0000


 31.6247, 20.5914,
5.1100

 4.0096, 1.4830,
0.0000

 44.9570, 30.9902,
9.7192


 1.7076, 0.2767,
0.0000

 61.5914, 44.4065,
16.4982

 0.4610, 0.0000,
0.0000

 81.8933, 61.2247,
25.8656


 0.0000, 0.0000,
0.0000

 106.2280, 81.8291,
38.2398


 134.9609,


106.6041, 54.0394


 168.4574,
135.9343, 73.6830


 13.4050, 7.3086,
0.7042


 13.4050, 7.3086,
0.7042


 13.4051, 7.3090,
0.7043

 13.8032, 7.9638,
1.2729

 14.4118, 8.9351,
2.2340

 15.2759, 10.2647,
3.7507

 16.4205, 11.9833,
5.8909

 17.8675, 14.1186,
8.7126

■ 19.6367, 16.6953,
12.2672

■ 21.7462, 19.7366,
16.6012

■ 24.2127, 23.2638,
21.7571

■ 27.0517, 27.2969,
27.7744

Harmonies

Analogous

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



16.0531, 7.3086, 4.5539



13.4050, 7.3086, 0.7042



9.3024, 7.3086, 0.0000

Triad

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



13.4050, 7.3086, 0.7042



2.2534, 7.3086, 3.2827



8.4601, 7.3086, 46.8160

Complementary

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



13.4050, 7.3086, 0.7042



13.9993, 18.7990, 33.0274

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.



5.0264, 7.3086, 45.0497



13.4050, 7.3086, 0.7042



2.1641, 7.3086, 12.7379

Square

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



13.4050, 7.3086, 0.7042



3.2983, 7.3086, 0.3369



2.9898, 7.3086, 29.6135



12.6095, 7.3086, 33.3631

Rectangle

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



13.4050, 7.3086, 0.7042



6.7210, 7.3086, 0.0000



2.9898, 7.3086, 29.6135



7.1772, 7.3086, 48.1707

Sweetspot

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



13.4052, 7.3091, 0.7043



38.7036, 34.9990, 29.2299



17.3428, 8.4547, 22.7634



8.2118, 7.2471, 5.7642



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.



13.4052, 7.3091, 0.7043



23.9259, 12.9269, 1.2341



17.4022, 15.3032, 2.0367



6.2738, 6.3528, 6.5014



11.0947, 6.0718, 0.5872



0.1813, 0.1217, 0.0139

Inverse Universe

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



13.9993, 18.7990, 33.0274



24.9707, 33.4658, 59.1154



7.1688, 5.1380, 30.7506



6.3122, 6.8818, 7.9246



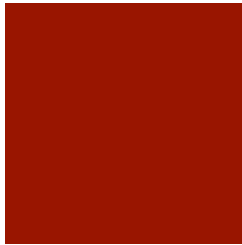
11.5881, 15.5728, 27.3028



0.1907, 0.2677, 0.4140

Previews

White Background



This preview shows how the XYZ color 13.4050, 7.3086, 0.7042 looks on a white background.

Color Contrast Check

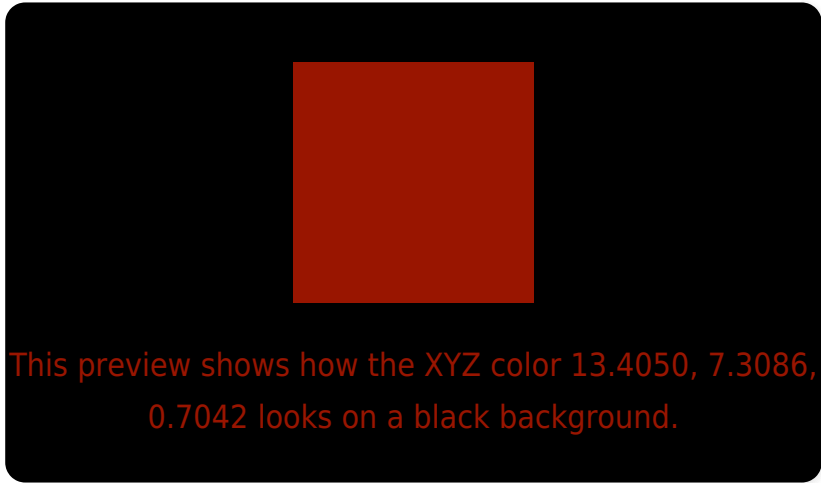
Large Text (above 18pt) WCAG AA ✓ Pass

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

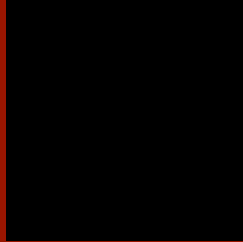
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.4050, 7.3086, 0.7042

Background



This preview shows how black text looks on a background with the XYZ color 13.4050, 7.3086, 0.7042.



This preview shows how white text looks on a background with the XYZ color 13.4050, 7.3086,

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

13.4050, 7.3086, 0.7042

Protanopia

6.9380, 7.7137, 1.7393

Deuteranopia

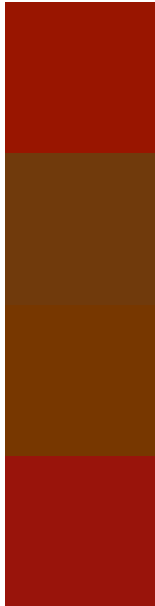
7.6617, 7.6848, 1.0795



Tritanopia

13.4882, 7.3131, 1.2310

Trichromacy



Original Color

13.4050, 7.3086, 0.7042

Protanomaly

8.2615, 6.4974, 1.1665

Deuteranomaly

8.9739, 6.6543, 0.8114

Tritanomaly

13.4474, 7.2968, 1.0163

Monochromacy



Original Color

13.4050, 7.3086, 0.7042

Achromatopsia

4.0217, 4.2311, 4.6077

Achromatomaly

5.7865, 4.3375, 2.2825

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4050, 7.3086, 0.7042 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, 21, 0)` looks like.

```
.text, #text, p{  
    color:rgb(153, 21, 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, 21, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 21, 0) }
```

Border

The CSS property to change the border of an element to XYZ 13.4050, 7.3086, 0.7042 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, 21, 0) }
```


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

```
.border{ border-color:rgb(153, 21, 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, 21, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 21, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 21, 0);  
box-shadow:4px 4px 4px 4px rgb(153, 21, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.4050, 7.3086, 0.7042 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 21, 0) }
```

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

```
.background{ background-color: rgb(153, 21,  
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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