

Converting Colors

XYZ(13.2597, 7.7250, 0.7922)

Have a look what the booklet for
XYZ(13.2597, 7.7250, 0.7922)
contains.

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Color

**XYZ(13.1787, 7.6861,
0.7890)**

Conversions

Conversions Part 1

Format	Color
Hex	962300
RGB	150, 35, 0
RGB Percent	59%, 14%, 0%
CMY	0.4118, 0.8627, 1.0000
CMYK	0.00, 0.77, 1.00, 0.41
HSL	14°, 100%, 29%
HSV	14°, 100%, 59%
XYZ	13.1787, 7.6861, 0.7890
YIQ	65.3950, 79.7750, 13.4950

Conversions

Conversions Part 2

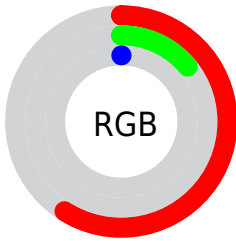
Format	Color
RYB	150, 46, 0
Decimal	9839360
CIELab	33.32, 46.20, 46.16
CIELCh	33, 65.313, 44.976
Yxy	7.6861, 0.6086, 0.3550
Android (android.graphics.Color)	4288029440 (0xFF962300)
YUV	65.3950, -32.2397, 74.1986
Hunter-Lab	27.7238, 36.3345, 17.7193

Details

The XYZ color **13.1787, 7.6861, 0.7890** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **11.6348, 14.4617, 31.0320**, and the grayscale version is **5.1250, 5.3919, 5.8718**.

A 20% lighter version of the original color is **31.2781, 21.3636, 5.3808**, and **4.2164, 2.1737, 0.1973** is the 20% darker color. If you saturate the color by 10%, you get **13.1788, 7.6865, 0.7890**, and if you desaturate by 10%, it is **13.6608, 8.5124, 1.3751**.

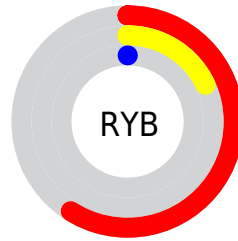
Distribution



Red (59%)

Green (14%)

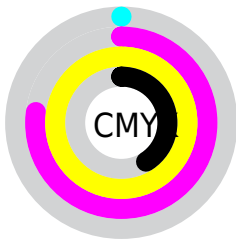
Blue (0%)



Red (59%)

Yellow (18%)

Blue (0%)

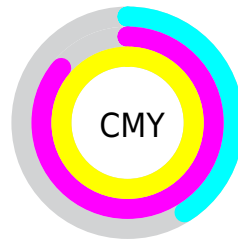


Cyan (0%)

Magenta (77%)

Yellow (100%)

Black (41%)



Cyan (41%)


Magenta (86%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.1787, 7.6861, 0.7890 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 13.1787, 7.6861, 0.7890 by changing the saturation by 10% instead.


 13.1787, 7.6861,
0.7890


 13.1787, 7.6861,
0.7890


 205.6743,
173.2488, 99.4422


 7.6296, 3.8948,
0.0000


 31.2230, 21.3407,
5.3721


 3.9086, 1.6149,
0.0000


 44.4490, 31.9728,
10.1203


 1.6506, 0.3676,
0.0000

 60.9645, 45.6539,
17.0677

 0.4250, 0.0000,
0.0000


 81.1351, 62.7685,
26.6329


 0.0000, 0.0000,
0.0000

 105.3260, 83.7008,
39.2344


 133.9026,

108.8354, 55.2908


 167.2302,
138.5566, 75.2205


 13.1787, 7.6861,
0.7890


 13.1787, 7.6861,
0.7890


 13.1788, 7.6865,
0.7890

 13.6608, 8.5124,
1.3751

 14.3254, 9.6046,
2.3273

 15.2107, 10.9923,
3.8028

 16.3361, 12.6960,
5.8648

 17.7187, 14.7341,
8.5670

■ 19.3738, 17.1236,
11.9573

■ 21.3157, 19.8805,
16.0789

■ 23.5575, 23.0195,
20.9714

■ 26.1115, 26.5545,
26.6715

Harmonies

Analogous

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



15.9314, 7.6861, 4.3094



13.1787, 7.6861, 0.7890



9.1935, 7.6861, 0.0000

Triad

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



13.1787, 7.6861, 0.7890



2.5411, 7.6861, 4.2993



9.1872, 7.6861, 44.2378

Complementary

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



13.1787, 7.6861, 0.7890



11.6348, 14.4617, 31.0320

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.



5.6953, 7.6861, 44.2251



13.1787, 7.6861, 0.7890



2.5404, 7.6861, 14.4064

Square

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



13.1787, 7.6861, 0.7890



3.5049, 7.6861, 0.7863



3.5025, 7.6861, 30.7368



13.1728, 7.6861, 30.7641

Rectangle

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



13.1787, 7.6861, 0.7890



6.7368, 7.6861, 0.0000



3.5025, 7.6861, 30.7368



7.9051, 7.6861, 46.0284

Sweetspot

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



13.1789, 7.6866, 0.7891



37.4003, 34.7782, 27.9077



15.6721, 7.7218, 16.8841



7.9891, 7.2839, 5.5446



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



13.1789, 7.6866, 0.7891



23.1440, 13.3373, 1.3545



18.1535, 17.6358, 2.4473



5.9042, 6.0221, 6.0917



10.9519, 6.4181, 0.6616



0.1535, 0.1175, 0.0146

Inverse Universe

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



11.6348, 14.4617, 31.0320



20.3947, 25.2452, 54.7191



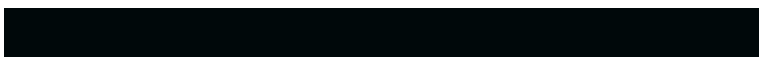
6.2638, 3.7197, 29.2417



5.8506, 6.3351, 7.3842



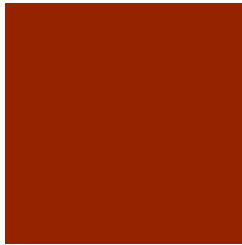
9.6749, 12.0445, 25.7459



0.1408, 0.1921, 0.3226

Previews

White Background



This preview shows how the XYZ color 13.1787, 7.6861, 0.7890 looks on a white background.

Color Contrast Check

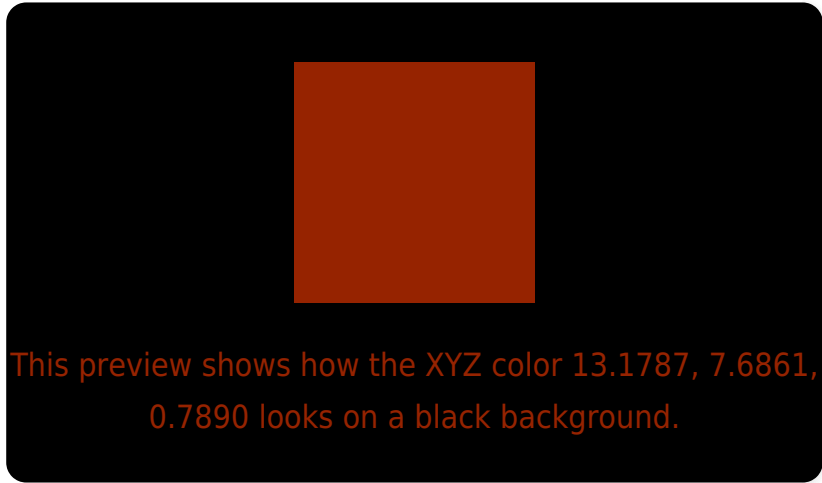
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.1787, 7.6861, 0.7890

Background



This preview shows how black text looks on a background with the XYZ color 13.1787, 7.6861, 0.7890.



This preview shows how white text looks on a background with the XYZ color 13.1787, 7.6861,

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

13.1787, 7.6861, 0.7890

Protanopia

7.1863, 7.9515, 1.6863

Deuteranopia

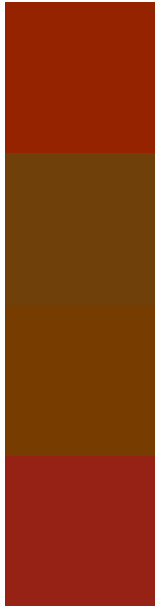
7.9513, 7.9356, 1.1126



Tritanopia

13.3960, 7.6815, 2.2155

Trichromacy



Original Color

13.1787, 7.6861, 0.7890

Protanomaly

8.5759, 7.1357, 1.2419

Deuteranomaly

9.2765, 7.2594, 0.9123

Tritanomaly

13.2851, 7.6822, 1.4921

Monochromacy



Original Color

13.1787, 7.6861, 0.7890

Achromatopsia

5.0244, 5.2861, 5.7565

Achromatomaly

6.5433, 5.2852, 2.7731

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1787, 7.6861, 0.7890 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(150, 35, 0)` looks like.

```
.text, #text, p{  
    color:rgb(150, 35, 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(150, 35, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 35, 0) }
```

Border

The CSS property to change the border of an element to XYZ 13.1787, 7.6861, 0.7890 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(150, 35, 0) }
```


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

```
.border{ border-color:rgb(150, 35, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 35, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 35, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 35, 0);  
box-shadow:4px 4px 4px 4px rgb(150, 35, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.1787, 7.6861, 0.7890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 35, 0) }
```

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

```
.background{ background-color: rgb(150, 35,  
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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