

Converting Colors

XYZ(13.5221, 7.6063, 0.0000)

Have a look what the booklet for
XYZ(13.5221, 7.6063, 0.0000)
contains.

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Color

**XYZ(13.7417, 7.7005,
0.7621)**

Conversions

Conversions Part 1

Format	Color
Hex	9A1C00
RGB	154, 28, 0
RGB Percent	60%, 11%, 0%
CMY	0.3961, 0.8902, 1.0000
CMYK	0.00, 0.82, 1.00, 0.40
HSL	11°, 100%, 30%
HSV	11°, 100%, 60%
XYZ	13.7417, 7.7005, 0.7621
YIQ	62.4820, 84.0840, 18.0040

Conversions

Conversions Part 2

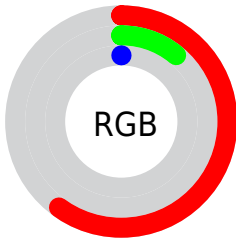
Format	Color
R_{YB}	154, 34, 0
Decimal	10099712
CIE _{Lab}	33.35, 49.70, 46.60
CIE _{LCh}	33, 68.133, 43.155
Yxy	7.7005, 0.6189, 0.3468
Android (android.graphics.Color)	4288289792 (0xFF9A1C00)
YUV	62.4820, -30.8036, 80.2613
Hunter-Lab	27.7498, 39.8312, 17.7965

Details

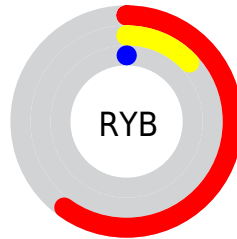
The XYZ color **13.7417, 7.7005, 0.7621** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **13.2925, 17.2526, 33.2012**, and the grayscale version is **4.6844, 4.9283, 5.3669**.

A 20% lighter version of the original color is **32.1218, 21.3177, 5.3274**, and **4.5142, 2.3272, 0.2113** is the 20% darker color. If you saturate the color by 10%, you get **13.7418, 7.7009, 0.7622**, and if you desaturate by 10%, it is **14.1950, 8.4646, 1.3528**.

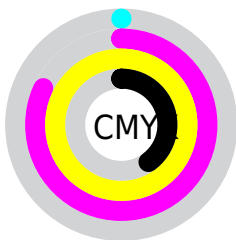
Distribution



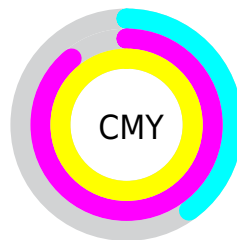
- Red (60%)
- Green (11%)
- Blue (0%)



- Red (60%)
- Yellow (13%)
- Blue (0%)



- Cyan (0%)
- Magenta (82%)
- Yellow (100%)
- Black (40%)




- Cyan (40%)
- Magenta (89%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.7417, 7.7005, 0.7621 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 13.7417, 7.7005, 0.7621 by changing the saturation by 10% instead.


 13.7417, 7.7005,
0.7621


 13.7417, 7.7005,
0.7621


 209.1609,
173.3637, 98.8519


 8.0217, 3.9039,
0.0000


 32.2201, 21.3692,
5.2881


 4.1608, 1.6200,
0.0000

 45.7093, 32.0101,
9.9919


 1.7935, 0.3710,
0.0000

 62.5189, 45.7011,
16.8857

 0.5137, 0.0000,
0.0000

 83.0143, 62.8268,
26.3879


 0.0000, 0.0000,
0.0000

 107.5608, 83.7716,
38.9170


 136.5239,


108.9197, 54.8917

 170.2688,
138.6556, 74.7305


 13.7417, 7.7005,
0.7621


 13.7417, 7.7005,
0.7621


 13.7418, 7.7009,
0.7622

 14.1950, 8.4646,
1.3528

 14.8537, 9.5331,
2.3399

 15.7605, 10.9428,
3.8872

 16.9383, 12.7201,
6.0628

 18.4075, 14.8890,
8.9251

■ 20.1863, 17.4710,
12.5258

■ 22.2915, 20.4863,
16.9114

■ 24.7384, 23.9537,
22.1247

■ 27.5417, 27.8909,
28.2055

Harmonies

Analogous

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



16.5253, 7.7005, 4.5852



13.7417, 7.7005, 0.7621



9.5521, 7.7005, 0.0000

Triad

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



13.7417, 7.7005, 0.7621



2.4406, 7.7005, 3.7975



9.0392, 7.7005, 47.2647

Complementary

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



13.7417, 7.7005, 0.7621



13.2925, 17.2526, 33.2012

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.



5.4644, 7.7005, 46.2094



13.7417, 7.7005, 0.7621



2.3847, 7.7005, 13.8545

Square

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



13.7417, 7.7005, 0.7621



3.4857, 7.7005, 0.5452



3.2940, 7.7005, 31.0832



13.2601, 7.7005, 33.3320

Rectangle

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



13.7417, 7.7005, 0.7621



6.9388, 7.7005, 0.0000



3.2940, 7.7005, 31.0832



7.7130, 7.7005, 48.8597

Sweetspot

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



13.7419, 7.7010, 0.7622



40.2467, 36.8621, 30.1990



17.2446, 8.4373, 21.2570



8.7564, 7.8390, 6.0952



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



13.7419, 7.7010, 0.7622



24.8589, 13.7807, 1.3497



18.1436, 16.5044, 2.2294



6.2952, 6.3954, 6.5085



11.2160, 6.3144, 0.6276



0.1875, 0.1340, 0.0160

Inverse Universe

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



13.2925, 17.2526, 33.2012



24.0168, 31.0805, 60.2696



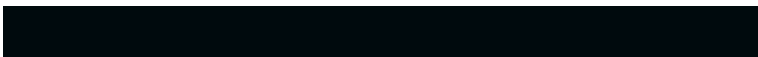
7.0312, 4.7301, 31.1141



6.2890, 6.8354, 7.9169



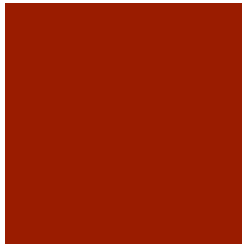
10.8534, 14.1035, 27.0579



0.1843, 0.2549, 0.4119

Previews

White Background



This preview shows how the XYZ color 13.7417, 7.7005, 0.7621 looks on a white background.

Color Contrast Check

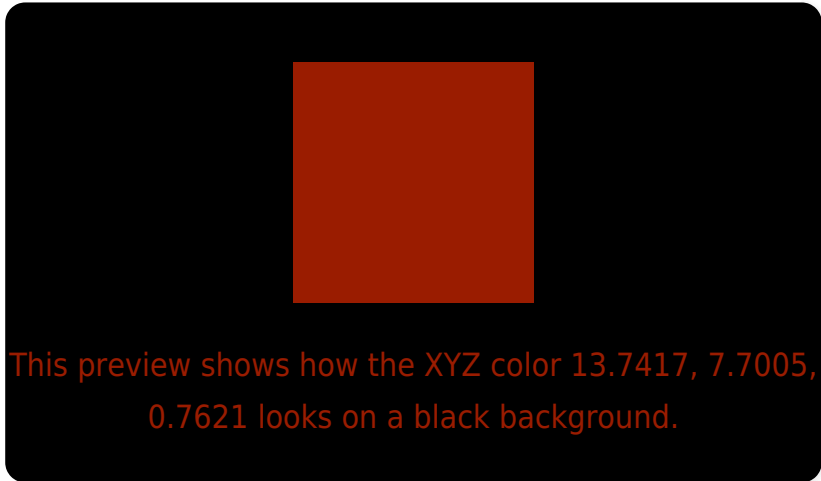
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.7417, 7.7005, 0.7621

Background



This preview shows how black text looks on a background with the XYZ color 13.7417, 7.7005, 0.7621.



This preview shows how white text looks on a background with the XYZ color 13.7417, 7.7005,

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

13.7417, 7.7005, 0.7621

Protanopia

7.2027, 7.9580, 1.7725

Deuteranopia

7.9513, 7.9356, 1.1126



Tritanopia

13.8713, 7.6790, 1.6708

Trichromacy



Original Color

13.7417, 7.7005, 0.7621

Protanomaly

8.5452, 6.8747, 1.2244

Deuteranomaly

9.3097, 7.1210, 0.8838

Tritanomaly

13.8119, 7.6913, 1.2468

Monochromacy



Original Color

13.7417, 7.7005, 0.7621

Achromatopsia

4.5787, 4.8172, 5.2459

Achromatomaly

6.2261, 4.8606, 2.5295

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7417, 7.7005, 0.7621 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(154, 28, 0)` looks like.

```
.text, #text, p{  
    color:rgb(154, 28, 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(154, 28, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 28, 0) }
```

Border

The CSS property to change the border of an element to XYZ 13.7417, 7.7005, 0.7621 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(154, 28, 0) }
```


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

```
.border{ border-color:rgb(154, 28, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 28, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 28, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 28, 0);  
box-shadow:4px 4px 4px 4px rgb(154, 28, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.7417, 7.7005, 0.7621 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 28, 0) }
```

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

```
.background{ background-color: rgb(154, 28,  
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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