

Converting Colors

XYZ(13.7208, 7.0059, 3.6897)

Have a look what the booklet for
XYZ(13.7208, 7.0059, 3.6897)
contains.

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Color

**XYZ(13.7126, 7.0026,
3.6465)**

Conversions

Conversions Part 1

Format	Color
Hex	990032
RGB	153, 0, 50
RGB Percent	60%, 0%, 20%
CMY	0.4000, 0.9999, 0.8039
CMYK	0.00, 1.00, 0.67, 0.40
HSL	340°, 100%, 30%
HSV	340°, 100%, 60%
XYZ	13.7126, 7.0026, 3.6465
YIQ	51.4470, 75.1380, 47.9860

Conversions

Conversions Part 2

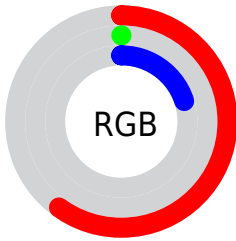
Format	Color
R_YB	153, 0, 50
Decimal	10027058
CIE _{Lab}	31.81, 56.15, 17.97
CIE _{LCh}	32, 58.954, 17.746
Yxy	7.0026, 0.5629, 0.2874
Android (android.graphics.Color)	4288217138 (0xFF990032)
YUV	51.4470, -0.7134, 89.0620
Hunter-Lab	26.4624, 46.1879, 10.3536

Details

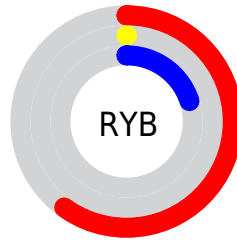
The XYZ color **13.7126, 7.0026, 3.6465** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **13.8407, 23.7622, 16.6947**, and the grayscale version is **3.1948, 3.3612, 3.6603**.

A 20% lighter version of the original color is **32.2917, 20.0382, 13.2321**, and **4.6380, 2.3884, 0.3314** is the 20% darker color. If you saturate the color by 10%, you get **13.7122, 7.0024, 3.6448**, and if you desaturate by 10%, it is **14.1358, 7.4525, 5.0103**.

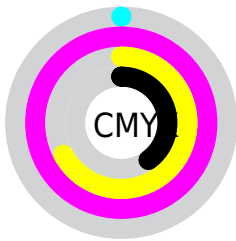
Distribution



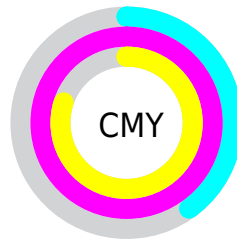
- Red (60%)
- Green (0%)
- Blue (20%)



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



- Cyan (0%)
- Magenta (100%)
- Yellow (67%)
- Black (40%)





- Cyan (40%)
- Magenta (100%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.7126, 7.0026, 3.6465 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 13.7126, 7.0026, 3.6465 by changing the saturation by 10% instead.


 13.7126, 7.0026,
3.6465


 13.7126, 7.0026,
3.6465


208.9821,
167.6853, 144.2112


 8.0014, 3.4637,
1.4335


 32.1687, 19.9784,
13.1859


 4.1477, 1.3784,
0.1676

 45.6444, 30.1842,
21.3494


 1.7860, 0.2007,
0.0000

 62.4389, 43.3810,
32.3335

 0.5092, 0.0000,
0.0000

 82.9177, 59.9534,
46.5566

 0.0000, 0.0000,
0.0000

 107.4460, 80.2855,
64.4374

 136.3893,

104.7620, 86.3945

170.1129,
133.7671, 112.8462

13.7126, 7.0026,
3.6465

13.7126, 7.0026,
3.6465

13.7122, 7.0024,
3.6448

14.1358, 7.4525,
5.0103

14.7416, 8.1825,
6.6970

15.5924, 9.3128,
8.7415

16.7146, 10.8924,
11.1656

18.1312, 12.9629,
13.9891

■ 19.8625, 15.5613,
17.2302

■ 21.9269, 18.7209,
20.9060

■ 24.3413, 22.4724,
25.0324

■ 27.1216, 26.8440,
29.6247

Harmonies

Analogous

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



13.9432, 7.0026, 11.6503



13.7126, 7.0026, 3.6465



11.2827, 7.0026, 0.7840

Triad

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



13.7126, 7.0026, 3.6465



3.2600, 7.0026, 1.0666



5.5156, 7.0026, 37.3846

Complementary

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



13.7126, 7.0026, 3.6465



13.8407, 23.7622, 16.6947

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.



3.5064, 7.0026, 27.2727



13.7126, 7.0026, 3.6465



2.4890, 7.0026, 4.6530

Square

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



13.7126, 7.0026, 3.6465



5.0622, 7.0026, 0.0000



2.5632, 7.0026, 13.7765



8.5529, 7.0026, 36.2259

Rectangle

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



13.7126, 7.0026, 3.6465



9.0617, 7.0026, 0.0200



2.5632, 7.0026, 13.7765



4.7185, 7.0026, 34.9963

Sweetspot

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



13.7128, 7.0030, 3.6466



39.0267, 33.1540, 37.0180



11.2303, 5.1256, 30.5343



8.2903, 6.8180, 7.5977



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.



13.7128, 7.0030, 3.6466



24.4802, 12.5099, 6.1225



13.4957, 7.4899, 0.7350



6.2879, 6.2543, 6.8960



11.3470, 5.7930, 3.0863



0.1851, 0.0928, 0.1278

Inverse Universe

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



13.7128, 7.0030, 3.6466



24.4802, 12.5099, 6.1225



13.4046, 17.6091, 32.8292



6.2879, 6.2543, 6.8960



11.3470, 5.7930, 3.0863



0.1851, 0.0928, 0.1278

Previews

White Background



This preview shows how the XYZ color 13.7126, 7.0026, 3.6465 looks on a white background.

Color Contrast Check

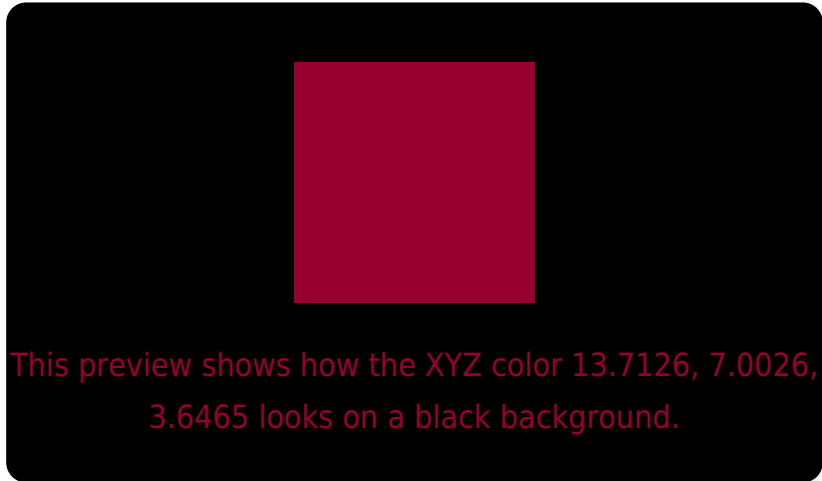
Large Text (above 18pt) WCAG AA ✓ Pass

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

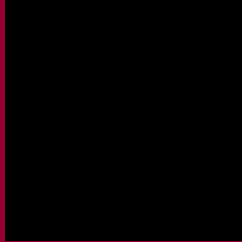
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.7126, 7.0026, 3.6465

Background



This preview shows how black text looks on a background with the XYZ color 13.7126, 7.0026, 3.6465.



This preview shows how white text looks on a background with the XYZ color 13.7126, 7.0026,

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

13.7126, 7.0026, 3.6465

Protanopia

7.3538, 7.6925, 7.5758

Deuteranopia

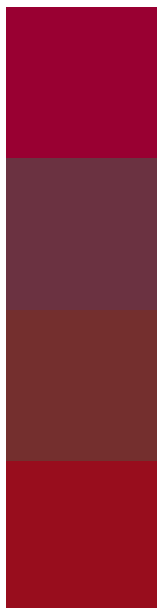
7.6041, 7.5049, 3.3333



Tritanopia

13.3002, 7.2162, 1.2222

Trichromacy



Original Color

13.7126, 7.0026, 3.6465

Protanomaly

8.1581, 5.7887, 5.6884

Deuteranomaly

8.7121, 5.9433, 3.2728

Tritanomaly

13.3146, 7.0520, 1.8218

Monochromacy



Original Color

13.7126, 7.0026, 3.6465

Achromatopsia

3.1466, 3.3105, 3.6051

Achromatomaly

5.1386, 3.3467, 3.5071

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7126, 7.0026, 3.6465 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, 0, 50)` looks like.

```
.text, #text, p{  
    color:rgb(153, 0, 50)  
}
```

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, 0, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 0, 50) }
```

Border

The CSS property to change the border of an element to XYZ 13.7126, 7.0026, 3.6465 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, 0, 50) }
```


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

```
.border{ border-color:rgb(153, 0, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 0, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 0, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 0, 50);  
box-shadow:4px 4px 4px 4px rgb(153, 0, 50)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.7126, 7.0026, 3.6465 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 0, 50) }
```

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

```
.background{ background-color: rgb(153, 0,  
50) }
```

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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