

Converting Colors

XYZ(13.6765, 6.9882, 3.4585)

Have a look what the booklet for
XYZ(13.6765, 6.9882, 3.4585)
contains.

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Color

**XYZ(13.6704, 6.9857,
3.4242)**

Conversions

Conversions Part 1

Format	Color
Hex	990030
RGB	153, 0, 48
RGB Percent	60%, 0%, 19%
CMY	0.4000, 0.9999, 0.8118
CMYK	0.00, 1.00, 0.69, 0.40
HSL	341°, 100%, 30%
HSV	341°, 100%, 60%
XYZ	13.6704, 6.9857, 3.4242
YIQ	51.2190, 75.7800, 47.3640

Conversions

Conversions Part 2

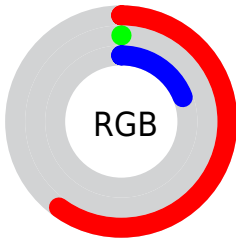
Format	Color
R_{YB}	153, 0, 48
Decimal	10027056
CIE _{Lab}	31.77, 56.05, 19.24
CIE _{LCh}	32, 59.256, 18.947
Yxy	6.9857, 0.5677, 0.2901
Android (android.graphics.Color)	4288217136 (0xFF990030)
YUV	51.2190, -1.5870, 89.2619
Hunter-Lab	26.4305, 46.0706, 10.8200

Details

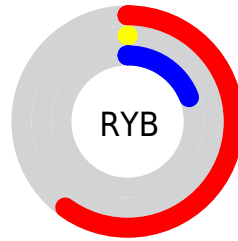
The XYZ color **13.6704, 6.9857, 3.4242** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **13.9423, 23.8029, 17.2296**, and the grayscale version is **3.1690, 3.3340, 3.6307**.

A 20% lighter version of the original color is **32.2007, 20.0019, 12.7533**, and **4.6216, 2.3819, 0.2449** is the 20% darker color. If you saturate the color by 10%, you get **13.6700, 6.9856, 3.4227**, and if you desaturate by 10%, it is **14.0888, 7.4337, 4.7625**.

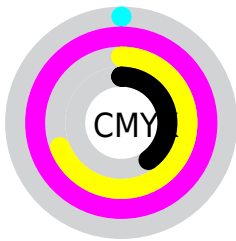
Distribution



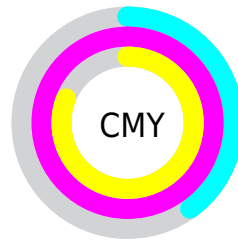
- Red (60%)
- Green (0%)
- Blue (19%)



- Red (60%)
- Yellow (0%)
- Blue (19%)



- Cyan (0%)
- Magenta (100%)
- Yellow (69%)
- Black (40%)




- Cyan (40%)
- Magenta (100%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.6704, 6.9857, 3.4242 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 13.6704, 6.9857, 3.4242 by changing the saturation by 10% instead.


 13.6704, 6.9857,
3.4242


 13.6704, 6.9857,
3.4242


208.7225,
167.5448, 141.5925


 7.9719, 3.4532,
1.3151


 32.0942, 19.9444,
12.6584


 4.1287, 1.3726,
0.0741

 45.5503, 30.1394,
20.6205


 1.7752, 0.1964,
0.0000

 62.3230, 43.3240,
31.3708

 0.5026, 0.0000,
0.0000


 82.7776, 59.8826,
45.3277


 0.0000, 0.0000,
0.0000

 107.2795, 80.1996,
62.9098


 136.1940,


104.6593, 84.5356

 169.8866,
133.6463, 110.6237

 13.6704, 6.9857,
3.4242


 13.6704, 6.9857,
3.4242


 13.6700, 6.9856,
3.4227

 14.0888, 7.4337,
4.7625

 14.6912, 8.1623,
6.4319

 15.5404, 9.2920,
8.4682

 16.6631, 10.8717,
10.8944

 18.0822, 12.9432,
13.7310

■ 19.8182, 15.5434,
16.9971

■ 21.8897, 18.7059,
20.7104

■ 24.3137, 22.4611,
24.8878

■ 27.1063, 26.8376,
29.5450

Harmonies

Analogous

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



14.0036, 6.9857, 11.2073



13.6704, 6.9857, 3.4242



11.1604, 6.9857, 0.7060

Triad

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



13.6704, 6.9857, 3.4242



3.1874, 6.9857, 1.1167



5.6003, 6.9857, 37.7701

Complementary

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



13.6704, 6.9857, 3.4242



13.9423, 23.8029, 17.2296

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.



3.5419, 6.9857, 27.9156



13.6704, 6.9857, 3.4242



2.4533, 6.9857, 4.8732

Square

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



13.6704, 6.9857, 3.4242



4.9470, 6.9857, 0.0000



2.5600, 6.9857, 14.2784



8.6801, 6.9857, 36.0930

Rectangle

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



13.6704, 6.9857, 3.4242



8.9189, 6.9857, 0.0000



2.5600, 6.9857, 14.2784



4.7862, 6.9857, 35.5135

Sweetspot

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



13.6706, 6.9861, 3.4243



38.9594, 33.1271, 36.6636



11.5237, 5.2768, 30.5481



8.2743, 6.8116, 7.5132



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.



13.6706, 6.9861, 3.4243



24.4067, 12.4805, 5.7352



13.5538, 7.6060, 0.7543



6.2846, 6.2530, 6.8790



11.3118, 5.7789, 2.9009



0.1842, 0.0924, 0.1230

Inverse Universe

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



13.6706, 6.9861, 3.4243



24.4067, 12.4805, 5.7352



13.0778, 16.9555, 32.7204



6.2846, 6.2530, 6.8790



11.3118, 5.7789, 2.9009



0.1842, 0.0924, 0.1230

Previews

White Background



This preview shows how the XYZ color 13.6704, 6.9857, 3.4242 looks on a white background.

Color Contrast Check

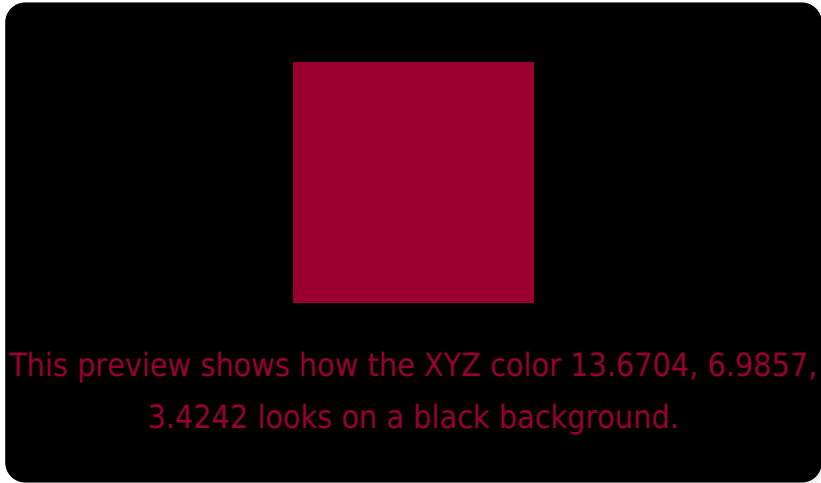
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.6704, 6.9857, 3.4242

Background



This preview shows how black text looks on a background with the XYZ color 13.6704, 6.9857, 3.4242.



This preview shows how white text looks on a background with the XYZ color 13.6704, 6.9857,

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

13.6704, 6.9857, 3.4242

Protanopia

7.2551, 7.6530, 7.0560

Deuteranopia

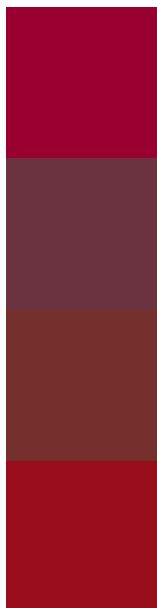
7.6729, 7.5445, 3.1496



Tritanopia

13.2753, 7.1786, 1.1761

Trichromacy



Original Color

13.6704, 6.9857, 3.4242

Protanomaly

8.1012, 5.7659, 5.3886

Deuteranomaly

8.8073, 5.9968, 3.0762

Tritanomaly

13.2900, 7.0222, 1.7536

Monochromacy



Original Color

13.6704, 6.9857, 3.4242

Achromatopsia

3.1466, 3.3105, 3.6051

Achromatomaly

5.1167, 3.3380, 3.3922

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.6704, 6.9857, 3.4242 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, 48)` looks like.

```
.text, #text, p{  
    color:rgb(153, 0, 48)  
}
```

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, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 0, 48) }
```

Border

The CSS property to change the border of an element to XYZ 13.6704, 6.9857, 3.4242 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, 48) }
```


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

```
.border{ border-color:rgb(153, 0, 48) }
```

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, 48) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 0, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 0, 48);  
box-shadow:4px 4px 4px 4px rgb(153, 0, 48)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.6704, 6.9857, 3.4242 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, 48) }
```

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

```
.background{ background-color: rgb(153, 0,  
48) }
```

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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