

Converting Colors

XYZ(13.2047, 6.7994, 0.9720)

Have a look what the booklet for
XYZ(13.2047, 6.7994, 0.9720)
contains.

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Color

**XYZ(13.2032, 6.7988,
0.9642)**

Conversions

Conversions Part 1

Format	Color
Hex	99000C
RGB	153, 0, 12
RGB Percent	60%, 0%, 5%
CMY	0.4000, 0.9999, 0.9529
CMYK	0.00, 1.00, 0.92, 0.40
HSL	355°, 100%, 30%
HSV	355°, 100%, 60%
XYZ	13.2032, 6.7988, 0.9642
YIQ	47.1150, 87.3360, 36.1680

Conversions

Conversions Part 2

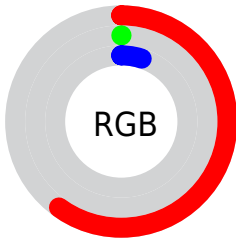
Format	Color
R_{YB}	153, 0, 12
Decimal	10027020
CIE Lab	31.34, 54.88, 40.25
CIE LCh	31, 68.058, 36.258
Yxy	6.7988, 0.6297, 0.3243
Android (android.graphics.Color)	4288217100 (0xFF99000C)
YUV	47.1150, -17.3117, 92.8611
Hunter-Lab	26.0745, 44.7556, 16.0597

Details

The XYZ color **13.2032, 6.7988, 0.9642** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **16.2007, 24.7061, 29.1223**, and the grayscale version is **2.7266, 2.8686, 3.1239**.

A 20% lighter version of the original color is **31.1454, 19.5076, 5.9947**, and **4.4136, 2.2753, 0.2066** is the 20% darker color. If you saturate the color by 10%, you get **13.2030, 6.7987, 0.9636**, and if you desaturate by 10%, it is **13.4997, 7.1981, 1.6611**.

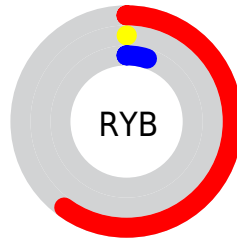
Distribution



Red (60%)

Green (0%)

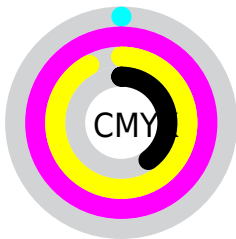
Blue (5%)



Red (60%)

Yellow (0%)

Blue (5%)

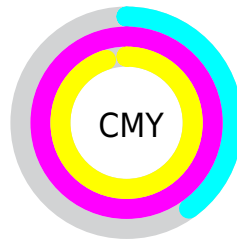


Cyan (0%)

Magenta (100%)

Yellow (92%)

Black (40%)



Cyan (40%)


Magenta (100%)


Yellow (95%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 13.2032, 6.7988, 0.9642 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 13.2032, 6.7988, 0.9642 by changing the saturation by 10% instead.


 13.2032, 6.7988,
0.9642

 13.2032, 6.7988,
0.9642


 205.8273,
165.9813, 103.3449


 7.6466, 3.3366,
0.0000


 31.2666, 19.5673,
5.9417


 3.9195, 1.3099,
0.0000

 44.5041, 29.6424,
10.9836


 1.6567, 0.1488,
0.0000

 61.0325, 42.6905,
18.2854

 0.4289, 0.0000,
0.0000

 81.2173, 59.0961,
28.2659


 0.0000, 0.0000,
0.0000


 105.4239, 79.2436,
41.3436


 134.0175,


103.5174, 57.9370

 167.3635,
132.3018, 78.4646

 13.2032, 6.7988,
0.9642


 13.2032, 6.7988,
0.9642


 13.2030, 6.7987,
0.9636

 13.4997, 7.1981,
1.6611

 14.0034, 7.8871,
2.8099

 14.7837, 8.9892,
4.4836

 15.8731, 10.5556,
6.7350

 17.2996, 12.6301,
9.6106

■ 19.0879, 15.2512,
13.1521

■ 21.2604, 18.4541,
17.3975

■ 23.8378, 22.2706,
22.3822

■ 26.8392, 26.7306,
28.1390

Harmonies

Analogous

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



15.2549, 6.7988, 5.5624



13.2032, 6.7988, 0.9642



9.4304, 6.7988, 0.0000

Triad

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



13.2032, 6.7988, 0.9642



2.1667, 6.7988, 2.1702



7.1927, 6.7988, 45.2776

Complementary

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



13.2032, 6.7988, 0.9642



16.2007, 24.7061, 29.1223

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.



4.1928, 6.7988, 40.5781



13.2032, 6.7988, 0.9642



1.9304, 6.7988, 9.6099

Square

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



13.2032, 6.7988, 0.9642



3.3429, 6.7988, 0.0000



2.5250, 6.7988, 24.6409



11.0895, 6.7988, 34.6215

Rectangle

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



13.2032, 6.7988, 0.9642



6.8933, 6.7988, 0.0000



2.5250, 6.7988, 24.6409



6.0492, 6.7988, 45.5150

Sweetspot

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



13.2033, 6.7992, 0.9643



37.8192, 32.6710, 30.6593



16.6075, 7.8976, 30.7858



8.0052, 6.7040, 6.0964



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.



13.2033, 6.7992, 0.9643



23.6170, 12.1646, 1.5769



14.9569, 10.4123, 1.2220



6.2275, 6.2301, 6.5779



10.9177, 5.6213, 0.8257



0.1678, 0.0859, 0.0364

Inverse Universe

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



13.2033, 6.7992, 0.9643



23.6170, 12.1646, 1.5769



9.3439, 9.4878, 31.4756



6.2275, 6.2301, 6.5779



10.9177, 5.6213, 0.8257



0.1678, 0.0859, 0.0364

Previews

White Background



This preview shows how the XYZ color 13.2032, 6.7988, 0.9642 looks on a white background.

Color Contrast Check

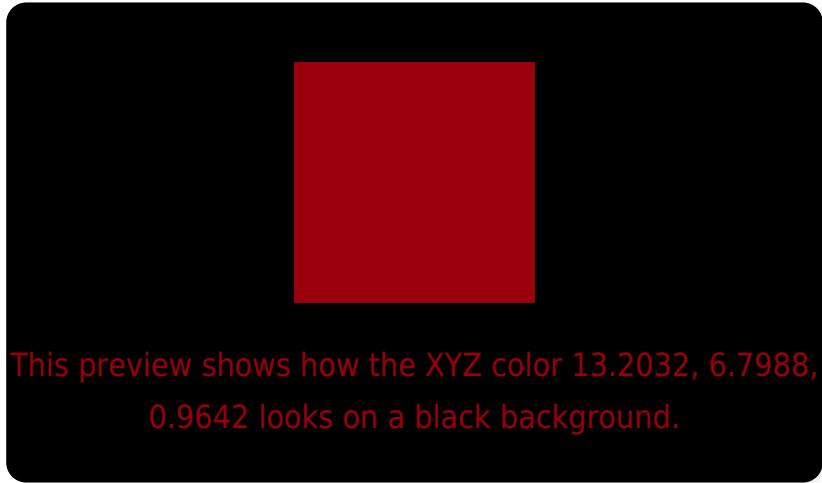
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.2032, 6.7988, 0.9642

Background



This preview shows how black text looks on a background with the XYZ color 13.2032, 6.7988, 0.9642.



This preview shows how white text looks on a background with the XYZ color 13.2032, 6.7988,

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

13.2032, 6.7988, 0.9642

Protanopia

6.6781, 7.3608, 2.0461

Deuteranopia

7.3123, 7.3065, 1.0249



Tritanopia

13.1059, 6.9895, 0.6583

Trichromacy



Original Color

13.2032, 6.7988, 0.9642

Protanomaly

7.6641, 5.5658, 1.3798

Deuteranomaly

8.3350, 5.7447, 0.7844

Tritanomaly

13.0685, 6.8795, 0.7540

Monochromacy



Original Color

13.2032, 6.7988, 0.9642

Achromatopsia

2.7019, 2.8426, 3.0956

Achromatomaly

4.5908, 3.0225, 1.8548

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2032, 6.7988, 0.9642 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, 12)` looks like.

```
.text, #text, p{  
    color:rgb(153, 0, 12)  
}
```

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, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 0, 12) }
```

Border

The CSS property to change the border of an element to XYZ 13.2032, 6.7988, 0.9642 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, 12) }
```


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

```
.border{ border-color:rgb(153, 0, 12) }
```

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, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 0, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 0, 12);  
box-shadow:4px 4px 4px 4px rgb(153, 0, 12)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.2032, 6.7988, 0.9642 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, 12) }
```

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

```
.background{ background-color: rgb(153, 0,  
12) }
```

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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