

Converting Colors

XYZ(13.1161, 9.9970, 2.4557)

Have a look what the booklet for
XYZ(13.1161, 9.9970, 2.4557)
contains.

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Color

**XYZ(13.0720, 9.9630,
2.4624)**

Conversions

Conversions Part 1

Format	Color
Hex	8B461E
RGB	139, 70, 30
RGB Percent	55%, 27%, 12%
CMY	0.4549, 0.7255, 0.8823
CMYK	0.00, 0.50, 0.78, 0.45
HSL	22°, 64%, 33%
HSV	22°, 78%, 55%
XYZ	13.0720, 9.9630, 2.4624
YIQ	86.0710, 53.9640, 2.1880

Conversions

Conversions Part 2

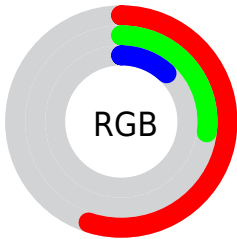
Format	Color
R_{YB}	139, 93, 30
Decimal	9127454
CIE _{Lab}	37.78, 26.30, 36.16
CIE _{LCh}	38, 44.710, 53.973
Yxy	9.9630, 0.5127, 0.3907
Android (android.graphics.Color)	4287317534 (0xFF8B461E)
YUV	86.0710, -27.6430, 46.4187
Hunter-Lab	31.5642, 18.6866, 17.4696

Details

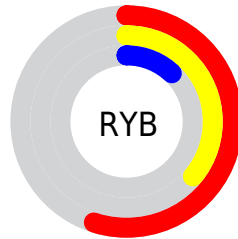
The XYZ color **13.0720, 9.9630, 2.4624** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **9.6573, 11.0633, 26.0525**, and the grayscale version is **8.9096, 9.3736, 10.2078**.

A 20% lighter version of the original color is **31.0820, 25.8391, 10.3704**, and **3.8939, 2.4923, 0.2758** is the 20% darker color. If you saturate the color by 10%, you get **12.4215, 8.8861, 1.5547**, and if you desaturate by 10%, it is **13.8820, 11.2336, 3.8098**.

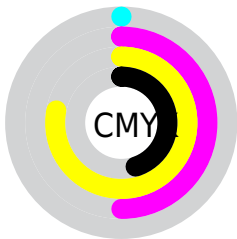
Distribution



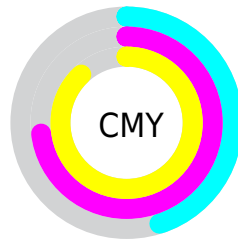
- Red (55%)
- Green (27%)
- Blue (12%)



- Red (55%)
- Yellow (36%)
- Blue (12%)



- Cyan (0%)
- Magenta (50%)
- Yellow (78%)
- Black (45%)




- Cyan (45%)
- Magenta (73%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.0720, 9.9630, 2.4624 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 13.0720, 9.9630, 2.4624 by changing the saturation by 10% instead.


 13.0720, 9.9630,
2.4624


 13.0720, 9.9630,
2.4624


205.0069,
190.4078, 129.1878


 7.5555, 5.3744,
0.8201


 31.0333, 25.7259,
10.2703


 3.8613, 2.4686,
0.0000

 44.2088, 37.6690,
17.2800


 1.6239, 0.8608,
0.0000

 60.6680, 52.8324,
26.9183

 0.4079, 0.0000,
0.0000


 80.7762, 71.6005,
39.6038


 0.0000, 0.0000,
0.0000


 104.8989, 94.3577,
55.7549


 133.4013,


121.4884, 75.7903


 166.6488,
153.3769, 100.1284


 13.0720, 9.9630,
2.4624


 13.0720, 9.9630,
2.4624


 12.4215, 8.8861,
1.5547


 13.8820, 11.2336,
3.8098


 11.9057, 7.9862,
0.9772

 14.8632, 12.7066,
5.6458

 11.8318, 7.8578,
0.8931

 16.0269, 14.3919,
8.0132

 17.3830, 16.2981,
10.9498

 18.9407, 18.4335,
14.4902

■ 20.7084, 20.8057,
18.6660

■ 22.6943, 23.4220,
23.5066

■ 24.9059, 26.2894,
29.0397

■ 27.3502, 29.4147,
35.2911

Harmonies

Analogous

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



15.4109, 9.9630, 5.6394



13.0720, 9.9630, 2.4624



10.0566, 9.9630, 1.5292

Triad

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



13.0720, 9.9630, 2.4624



4.9986, 9.9630, 9.2822



11.8750, 9.9630, 32.4342

Complementary

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



13.0720, 9.9630, 2.4624



9.6573, 11.0633, 26.0525

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.



8.9057, 9.9630, 35.1354



13.0720, 9.9630, 2.4624



5.2932, 9.9630, 18.5552

Square

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



13.0720, 9.9630, 2.4624



5.6933, 9.9630, 3.9881



6.5984, 9.9630, 29.1331



14.6284, 9.9630, 22.9439

Rectangle

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



13.0720, 9.9630, 2.4624



8.2071, 9.9630, 1.6338



6.5984, 9.9630, 29.1331



10.8553, 9.9630, 34.3152

Sweetspot

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



13.0722, 9.9635, 2.4626



35.1068, 34.6144, 28.7234



13.3655, 7.3191, 12.5212



7.8656, 7.6739, 6.0948



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



13.0722, 9.9635, 2.4626



21.5311, 14.6611, 2.0075



18.1481, 20.1153, 4.1545



5.1734, 5.3297, 5.3085



10.6942, 7.1227, 0.8112



0.0842, 0.0735, 0.0098

Inverse Universe

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



9.6573, 11.0633, 26.0525



15.0301, 16.5050, 46.1366



6.1164, 3.9816, 24.8722



5.0211, 5.3851, 6.3806



7.3714, 8.0131, 23.2039



0.0630, 0.0813, 0.1588

Previews

White Background



This preview shows how the XYZ color 13.0720, 9.9630, 2.4624 looks on a white background.

Color Contrast Check

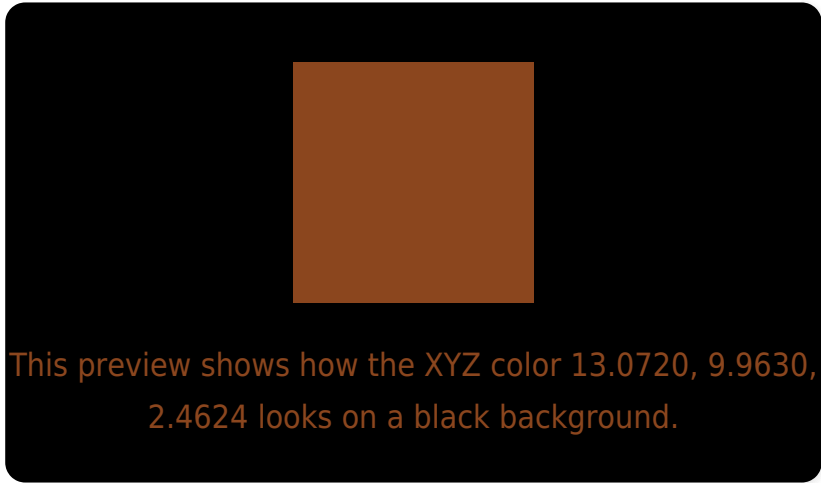
Large Text (above 18pt) WCAG AA ✓ Pass

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

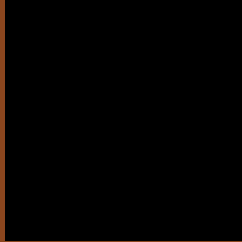
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.0720, 9.9630, 2.4624

Background



This preview shows how black text looks on a background with the XYZ color 13.0720, 9.9630, 2.4624.



This preview shows how white text looks on a background with the XYZ color 13.0720, 9.9630,

2.4624.

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

13.0720, 9.9630, 2.4624

Protanopia

9.2151, 10.1430, 3.0622

Deuteranopia

10.1061, 10.0119, 2.3196



Tritanopia

14.0382, 10.0013, 6.9849

Trichromacy



Original Color

13.0720, 9.9630, 2.4624

Protanomaly

10.3072, 9.8737, 2.8014

Deuteranomaly

11.0925, 9.9540, 2.3736

Tritanomaly

13.5120, 9.8656, 4.8065

Monochromacy



Original Color

13.0720, 9.9630, 2.4624

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

9.6777, 9.1339, 6.4072

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.0720, 9.9630, 2.4624 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(139, 70, 30)` looks like.

```
.text, #text, p{  
    color:rgb(139, 70, 30)  
}
```

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(139, 70, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 70, 30) }
```

Border

The CSS property to change the border of an element to XYZ 13.0720, 9.9630, 2.4624 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(139, 70, 30) }
```


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

```
.border{ border-color:rgb(139, 70, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 70, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 70, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 70, 30);  
box-shadow:4px 4px 4px 4px rgb(139, 70,  
30) }
```

Background

The CSS property to change the background color of an element to XYZ 13.0720, 9.9630, 2.4624 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 70, 30) }
```

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

```
.background{ background-color: rgb(139, 70,  
30) }
```

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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