

Converting Colors

XYZ(12.4671, 7.0206, 1.7349)

Have a look what the booklet for
XYZ(12.4671, 7.0206, 1.7349)
contains.

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Color

**XYZ(12.4671, 7.0206,
1.7349)**

Conversions

Conversions Part 1

Format	Color
Hex	921C1B
RGB	146, 28, 27
RGB Percent	57%, 11%, 11%
CMY	0.4275, 0.8902, 0.8941
CMYK	0.00, 0.81, 0.82, 0.43
HSL	1°, 69%, 34%
HSV	1°, 82%, 57%
XYZ	12.4671, 7.0206, 1.7349
YIQ	63.1680, 70.6490, 24.7050

Conversions

Conversions Part 2

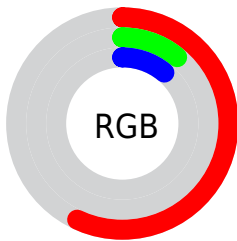
Format	Color
R_{YB}	146, 28, 27
Decimal	9575451
CIE _{Lab}	31.85, 47.78, 32.18
CIE _{LCh}	32, 57.606, 33.960
Yxy	7.0206, 0.5874, 0.3308
Android (android.graphics.Color)	4287765531 (0xFF921C1B)
YUV	63.1680, -17.8308, 72.6437
Hunter-Lab	26.4964, 37.6191, 14.6654

Details

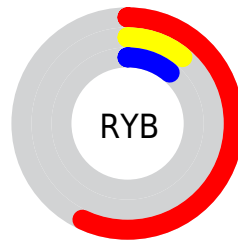
The XYZ color **12.4671, 7.0206, 1.7349** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **15.7641, 22.5559, 30.7167**, and the grayscale version is **4.7682, 5.0165, 5.4630**.

A 20% lighter version of the original color is **30.0398, 20.0610, 8.2501**, and **3.9305, 2.0262, 0.1839** is the 20% darker color. If you saturate the color by 10%, you get **12.0736, 6.4401, 0.9675**, and if you desaturate by 10%, it is **13.1100, 7.9658, 2.9997**.

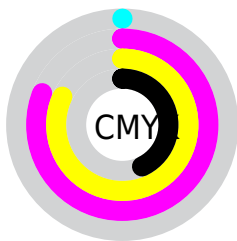
Distribution



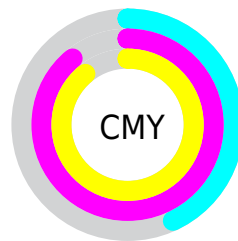
- Red (57%)
- Green (11%)
- Blue (11%)



- Red (57%)
- Yellow (11%)
- Blue (11%)



- Cyan (0%)
- Magenta (81%)
- Yellow (82%)
- Black (43%)



- Cyan (43%)
- Magenta (89%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.4671, 7.0206, 1.7349 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 12.4671, 7.0206, 1.7349 by changing the saturation by 10% instead.

12.4671, 7.0206,
1.7349

12.4671, 7.0206,
1.7349

201.1810,
167.8347, 118.1142

7.1371, 3.4750,
0.3845

29.9526, 20.0146,
8.3025

3.5951, 1.3845,
0.0000

42.8387, 30.2319,
14.4652

1.4757, 0.2052,
0.0000

58.9743, 43.4417,
23.1052

0.3092, 0.0000,
0.0000

78.7246, 60.0287,
34.6411

0.0000, 0.0000,
0.0000

102.4551, 80.3770,
49.4914

130.5311,

104.8712, 68.0747

163.3179,
133.8957, 90.8094

12.4671, 7.0206,
1.7349

12.4671, 7.0206,
1.7349

12.0736, 6.4401,
0.9675

13.1100, 7.9658,
2.9997

11.8674, 6.1378,
0.5592

14.0339, 9.3209,
4.8265

15.2660, 11.1257,
7.2705

16.8305, 13.4150,
10.3801

18.7488, 16.2203,
14.1992

■ 21.0409, 19.5705,
18.7676

■ 23.7250, 23.4920,
24.1224

■ 26.8184, 28.0099,
30.2982

■ 30.3370, 33.1475,
37.3274

Harmonies

Analogous

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



13.9485, 7.0206, 6.5909



12.4671, 7.0206, 1.7349



9.4404, 7.0206, 0.2211

Triad

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



12.4671, 7.0206, 1.7349



2.8047, 7.0206, 2.5495



7.0665, 7.0206, 37.3266

Complementary

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



12.4671, 7.0206, 1.7349



15.7641, 22.5559, 30.7167

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.



4.5071, 7.0206, 32.9423



12.4671, 7.0206, 1.7349



2.5051, 7.0206, 8.8042

Square

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



12.4671, 7.0206, 1.7349



4.0117, 7.0206, 0.4992



3.0269, 7.0206, 20.5305



10.3085, 7.0206, 30.1000

Rectangle

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



12.4671, 7.0206, 1.7349



7.2786, 7.0206, 0.0000



3.0269, 7.0206, 20.5305



6.1017, 7.0206, 37.1810

Sweetspot

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



12.4673, 7.0210, 1.7350



35.8436, 32.6610, 30.5656



17.4341, 8.9701, 28.0064



7.6851, 6.8439, 6.2243



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



12.4673, 7.0210, 1.7350



20.9906, 10.9048, 1.1069



15.4196, 12.9257, 2.7191



5.8045, 5.8228, 6.0584



10.4443, 5.4031, 0.4924



0.1286, 0.0677, 0.0063

Inverse Universe

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



15.7641, 22.5559, 30.7167



26.9981, 39.2816, 54.1327



9.0081, 9.0440, 28.4647



5.9600, 6.5539, 7.4206



13.4450, 19.5847, 27.0026



0.1657, 0.2419, 0.3309

Previews

White Background



This preview shows how the XYZ color 12.4671, 7.0206, 1.7349 looks on a white background.

Color Contrast Check

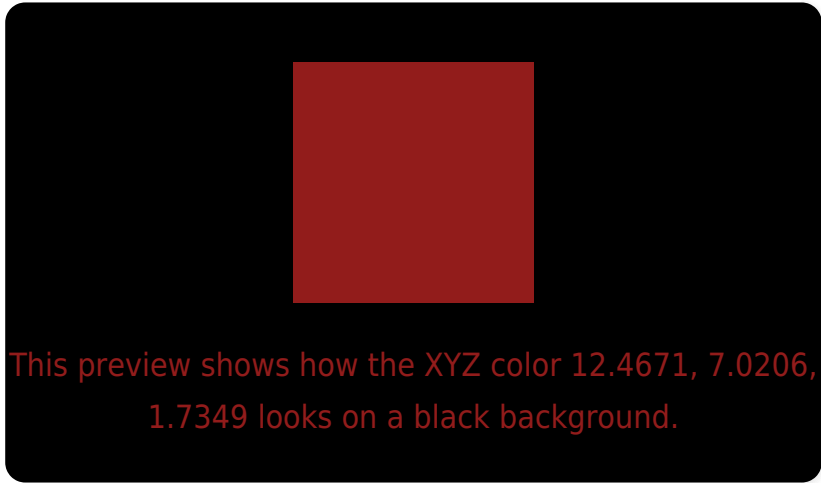
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.4671, 7.0206, 1.7349

Background



This preview shows how black text looks on a background with the XYZ color 12.4671, 7.0206, 1.7349.



This preview shows how white text looks on a background with the XYZ color 12.4671, 7.0206,

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

12.4671, 7.0206, 1.7349

Protanopia

6.7832, 7.3923, 3.0768

Deuteranopia

7.3985, 7.3410, 1.4789



Tritanopia

12.4789, 7.0253, 1.7969

Trichromacy



Original Color

12.4671, 7.0206, 1.7349

Protanomaly

7.9307, 6.3751, 2.4026

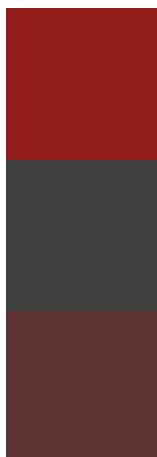
Deuteranomaly

8.6509, 6.6181, 1.4376

Tritanomaly

12.4789, 7.0253, 1.7969

Monochromacy



Original Color

12.4671, 7.0206, 1.7349

Achromatopsia

4.7246, 4.9707, 5.4130

Achromatomaly

6.2305, 4.8386, 3.6232

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4671, 7.0206, 1.7349 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(146, 28, 27)` looks like.

```
.text, #text, p{  
    color:rgb(146, 28, 27)  
}
```

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(146, 28, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 28, 27) }
```

Border

The CSS property to change the border of an element to XYZ 12.4671, 7.0206, 1.7349 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(146, 28, 27) }
```


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

```
.border{ border-color:rgb(146, 28, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 28, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 28, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 28, 27);  
box-shadow:4px 4px 4px 4px rgb(146, 28,  
27) }
```

Background

The CSS property to change the background color of an element to XYZ 12.4671, 7.0206, 1.7349 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 28, 27) }
```

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

```
.background{ background-color: rgb(146, 28,  
27) }
```

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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