

Converting Colors

XYZ(10.9761, 9.0149, 3.8193)

Have a look what the booklet for
XYZ(10.9761, 9.0149, 3.8193)
contains.

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Color

**XYZ(10.9988, 9.0509,
3.8566)**

Conversions

Conversions Part 1

Format	Color
Hex	7B482F
RGB	123, 72, 47
RGB Percent	48%, 28%, 18%
CMY	0.5176, 0.7176, 0.8157
CMYK	0.00, 0.41, 0.62, 0.52
HSL	20°, 45%, 33%
HSV	20°, 62%, 48%
XYZ	10.9988, 9.0509, 3.8566
YIQ	84.3990, 38.4210, 3.0370

Conversions

Conversions Part 2

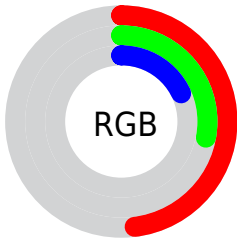
Format	Color
R_{YB}	123, 84, 47
Decimal	8079407
CIE _{Lab}	36.08, 19.16, 24.11
CIE _{LCh}	36, 30.801, 51.530
Yxy	9.0509, 0.4601, 0.3786
Android (android.graphics.Color)	4286269487 (0xFF7B482F)
YUV	84.3990, -18.4377, 33.8531
Hunter-Lab	30.0847, 12.6103, 13.4588

Details

The XYZ color **10.9988, 9.0509, 3.8566** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **9.1148, 10.7691, 20.3370**, and the grayscale version is **8.5411, 8.9859, 9.7856**.

A 20% lighter version of the original color is **27.2178, 23.9479, 13.7775**, and **2.9905, 2.1235, 0.2523** is the 20% darker color. If you saturate the color by 10%, you get **10.2866, 7.9692, 2.5630**, and if you desaturate by 10%, it is **11.8531, 10.3048, 5.5430**.

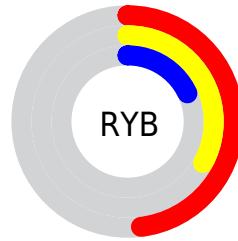
Distribution



Red (48%)

Green (28%)

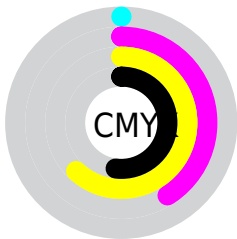
Blue (18%)



Red (48%)

Yellow (33%)

Blue (18%)

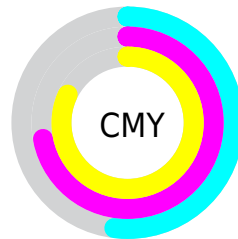


Cyan (0%)

Magenta (41%)

Yellow (62%)

Black (52%)



Cyan (52%)


Magenta (72%)


Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 10.9988, 9.0509, 3.8566 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 10.9988, 9.0509, 3.8566 by changing the saturation by 10% instead.

 10.9988, 9.0509,
3.8566


 10.9988, 9.0509,
3.8566


191.5678,
183.7571, 146.6179


 6.1333, 4.7744,
1.5470


 27.2909, 23.9943,
13.6777


 2.9677, 2.1155,
0.2526

 39.4483, 35.4300,
22.0262


 1.1367, 0.6733,
0.0000

 54.7669, 50.0209,
33.2248

 0.0555, 0.0000,
0.0000

 73.6123, 68.1514,
47.6921

 0.0000, 0.0000,
0.0000

 96.3497, 90.2059,
65.8465

 123.3445,

116.5687, 88.1065

154.9621,
147.6244, 114.8908

■ 10.9988, 9.0509,
3.8566

■ 10.9988, 9.0509,
3.8566

■ 10.2866, 7.9692,
2.5630

■ 11.8531, 10.3048,
5.5430

■ 9.7069, 7.0502,
1.6287

■ 12.8568, 11.7371,
7.6507

■ 9.2499, 6.2856,
1.0158

■ 14.0175, 13.3552,
10.2061

■ 8.9429, 5.7601,
0.6405

■ 15.3422, 15.1658,
13.2334

■ 16.8372, 17.1750,
16.7551

■ 18.5085, 19.3889,
20.7920

■ 20.3619, 21.8132,
25.3638

■ 22.4029, 24.4534,
30.4894

■ 24.6368, 27.3147,
36.1864

Harmonies

Analogous

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



12.3347, 9.0509, 6.5821



10.9988, 9.0509, 3.8566



9.1348, 9.0509, 2.8427

Triad

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



10.9988, 9.0509, 3.8566



5.5541, 9.0509, 8.4354



9.9686, 9.0509, 22.6183

Complementary

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



10.9988, 9.0509, 3.8566



9.1148, 10.7691, 20.3370

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.



8.0915, 9.0509, 23.6729



10.9988, 9.0509, 3.8566



5.7113, 9.0509, 14.0646

Square

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



10.9988, 9.0509, 3.8566



6.1175, 9.0509, 4.7966



6.5825, 9.0509, 20.1176



11.6834, 9.0509, 17.6056

Rectangle

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



10.9988, 9.0509, 3.8566



7.9141, 9.0509, 2.8840



6.5825, 9.0509, 20.1176



9.3299, 9.0509, 23.5047

Sweetspot

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



10.9990, 9.0514, 3.8568



28.0680, 27.9613, 25.0814



11.4338, 7.1436, 12.5639



6.4660, 6.3900, 5.5706



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



10.9990, 9.0514, 3.8568



17.9748, 13.5733, 3.8414



14.1571, 15.3676, 4.9095



4.0961, 4.2106, 4.2213



9.2468, 5.9495, 0.6610



43.4054, 26.9744, 2.9188

Inverse Universe

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



9.1148, 10.7691, 20.3370



14.2507, 16.8544, 36.0587



6.4127, 5.3648, 19.4363



4.0012, 4.3007, 5.0624



6.8566, 7.7956, 20.5286



31.9039, 35.5803, 97.6560

Previews

White Background



This preview shows how the XYZ color 10.9988, 9.0509, 3.8566 looks on a white background.

Color Contrast Check

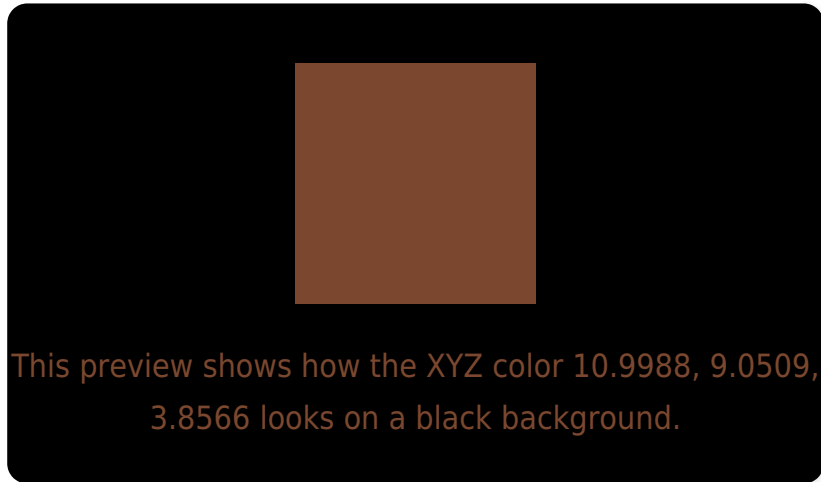
Large Text (above 18pt) WCAG AA ✓ Pass

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

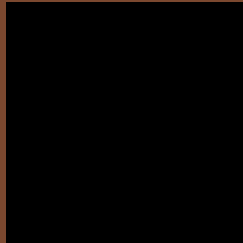
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.9988, 9.0509, 3.8566

Background



This preview shows how black text looks on a background with the XYZ color 10.9988, 9.0509, 3.8566.



This preview shows how white text looks on a background with the XYZ color 10.9988, 9.0509,

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

10.9988, 9.0509, 3.8566

Protanopia

8.3825, 9.0721, 4.5581

Deuteranopia

9.2418, 9.0776, 3.7477



Tritanopia

11.8216, 9.1106, 7.6140

Trichromacy



Original Color

10.9988, 9.0509, 3.8566

Protanomaly

9.1533, 8.9107, 4.2551

Deuteranomaly

9.8996, 9.0908, 3.8177

Tritanomaly

11.4278, 9.0356, 5.9922

Monochromacy



Original Color

10.9988, 9.0509, 3.8566

Achromatopsia

8.4267, 8.8656, 9.6546

Achromatomaly

9.0430, 8.7889, 7.1811

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.9988, 9.0509, 3.8566 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(123, 72, 47)` looks like.

```
.text, #text, p{  
    color:rgb(123, 72, 47)  
}
```

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(123, 72, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 72, 47) }
```

Border

The CSS property to change the border of an element to XYZ 10.9988, 9.0509, 3.8566 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(123, 72, 47) }
```


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

```
.border{ border-color:rgb(123, 72, 47) }
```

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

Here you see how a box with a 4 pixel rgb(123, 72, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 72, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 72, 47);  
box-shadow:4px 4px 4px 4px rgb(123, 72,  
47) }
```

Background

The CSS property to change the background color of an element to XYZ 10.9988, 9.0509, 3.8566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 72, 47) }
```

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

```
.background{ background-color: rgb(123, 72,  
47) }
```

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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