

Converting Colors

XYZ(21.1308, 13.0369, 1.9891)

Have a look what the booklet for
XYZ(21.1308, 13.0369, 1.9891)
contains.

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Color

**XYZ(21.1007, 13.0372,
1.9766)**

Conversions

Conversions Part 1

Format	Color
Hex	B73912
RGB	183, 57, 18
RGB Percent	72%, 22%, 7%
CMY	0.2824, 0.7764, 0.9294
CMYK	0.00, 0.69, 0.90, 0.28
HSL	14°, 82%, 39%
HSV	14°, 90%, 72%
XYZ	21.1007, 13.0372, 1.9766
YIQ	90.2280, 87.6150, 14.5830

Conversions

Conversions Part 2

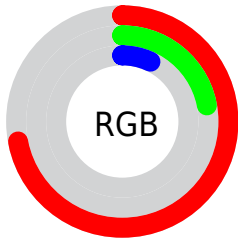
Format	Color
R_{YB}	183, 69, 18
Decimal	12007698
CIE Lab	42.82, 49.22, 48.85
CIE LCh	43, 69.348, 44.782
Yxy	13.0372, 0.5843, 0.3610
Android (android.graphics.Color)	4290197778 (0xFFB73912)
YUV	90.2280, -35.6084, 81.3610
Hunter-Lab	36.1071, 41.1267, 22.0292

Details

The XYZ color **21.1007, 13.0372, 1.9766** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **18.7688, 23.4917, 48.3444**, and the grayscale version is **9.8340, 10.3461, 11.2669**.

A 20% lighter version of the original color is **44.7036, 31.3670, 9.0085**, and **7.8852, 4.0649, 0.3690** is the 20% darker color. If you saturate the color by 10%, you get **20.4017, 11.8141, 1.2051**, and if you desaturate by 10%, it is **22.1034, 14.7006, 3.3659**.

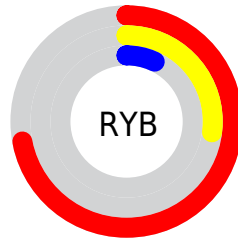
Distribution



Red (72%)

Green (22%)

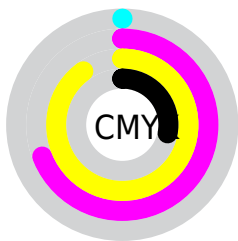
Blue (7%)



Red (72%)

Yellow (27%)

Blue (7%)

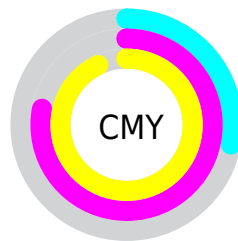


Cyan (0%)

Magenta (69%)

Yellow (90%)

Black (28%)



Cyan (28%)

Magenta (78%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.1007, 13.0372, 1.9766 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 21.1007, 13.0372, 1.9766 by changing the saturation by 10% instead.

■ 21.1007, 13.0372,
1.9766

■ 21.1007, 13.0372,
1.9766

250.5348,
211.1559, 122.0124

■ 13.3105, 7.4542,
0.5408

■ 44.7451, 31.3706,
8.9767

■ 7.7212, 3.7477,
0.0000

■ 61.3300, 44.8898,
15.4371

■ 3.9674, 1.5335,
0.0000

■ 81.5772, 61.8231,
24.4291

■ 1.6837, 0.3121,
0.0000

■ 105.8520, 82.5550,
36.3713

■ 0.4460, 0.0000,
0.0000


■ 134.5198,
107.4698, 51.6822


■ 0.0000, 0.0000,
0.0000


■ 167.9460,


136.9520, 70.7803


 206.4958,
171.3859, 94.0842


 21.1007, 13.0372,
1.9766


 21.1007, 13.0372,
1.9766


 20.4017, 11.8141,
1.2051

 22.1034, 14.7006,
3.3659

 23.4534, 16.8293,
5.5769

 25.1828, 19.4573,
8.7147

 27.3196, 22.6147,
12.8684

 29.8891, 26.3292,
18.1167

■ 32.9143, 30.6262,
24.5304

■ 36.4166, 35.5300,
32.1742

■ 40.4158, 41.0629,
41.1082

■ 44.9309, 47.2465,
51.3884

Harmonies

Analogous

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



25.0526, 13.0372, 7.9863



21.1007, 13.0372, 1.9766



15.2568, 13.0372, 0.4831

Triad

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



21.1007, 13.0372, 1.9766



4.9416, 13.0372, 7.8412



15.1710, 13.0372, 65.0727

Complementary

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



21.1007, 13.0372, 1.9766



18.7688, 23.4917, 48.3444

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.



9.9094, 13.0372, 64.9145



21.1007, 13.0372, 1.9766



4.9308, 13.0372, 22.9969

Square

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



21.1007, 13.0372, 1.9766



6.5203, 13.0372, 1.9348



6.4847, 13.0372, 46.1758



21.0227, 13.0372, 46.5209

Rectangle

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



21.1007, 13.0372, 1.9766



11.5630, 13.0372, 0.3300



6.4847, 13.0372, 46.1758



13.2586, 13.0372, 67.4818

Sweetspot

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



21.1010, 13.0380, 1.9768



60.5677, 57.1284, 47.4304



24.8169, 12.5288, 27.6966



12.9329, 11.9919, 9.5159



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



21.1010, 13.0380, 1.9768



36.3924, 20.8649, 2.1092



28.8700, 28.5761, 4.5665



9.1724, 9.3477, 9.4278



14.2779, 8.3322, 0.8557



0.5522, 0.3915, 0.0465

Inverse Universe

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



18.7688, 23.4917, 48.3444



31.8493, 39.2059, 86.1246



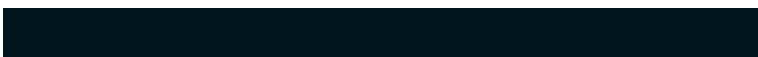
10.5193, 6.9929, 45.5946



9.0819, 9.8410, 11.5003



12.5330, 15.5257, 33.5893



0.4861, 0.6359, 1.1989

Previews

White Background



This preview shows how the XYZ color 21.1007, 13.0372, 1.9766 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 × Fail

Black Background



This preview shows how the XYZ color 21.1007, 13.0372, 1.9766 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 21.1007, 13.0372, 1.9766

Background



This preview shows how black text looks on a background with the XYZ color 21.1007, 13.0372, 1.9766.



This preview shows how white text looks on a background with the XYZ color 21.1007, 13.0372,

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

21.1007, 13.0372, 1.9766

Protanopia

11.9126, 13.1689, 3.0764

Deuteranopia

13.3280, 13.2165, 1.8486



Tritanopia

21.7541, 13.0221, 5.1083

Trichromacy



Original Color

21.1007, 13.0372, 1.9766

Protanomaly

14.1507, 12.2147, 2.5316

Deuteranomaly

15.4501, 12.4395, 1.7878

Tritanomaly

21.5042, 12.9958, 3.5655

Monochromacy



Original Color

21.1007, 13.0372, 1.9766

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

11.9620, 10.1040, 6.1703

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.1007, 13.0372, 1.9766 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(183, 57, 18)` looks like.

```
.text, #text, p{  
    color:rgb(183, 57, 18)  
}
```

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(183, 57, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 57, 18) }
```

Border

The CSS property to change the border of an element to XYZ 21.1007, 13.0372, 1.9766 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(183, 57, 18) }
```


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

```
.border{ border-color:rgb(183, 57, 18) }
```

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

Here you see how a box with a 4 pixel rgb(183, 57, 18) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 57, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 57, 18);  
box-shadow:4px 4px 4px 4px rgb(183, 57,  
18) }
```

Background

The CSS property to change the background color of an element to XYZ 21.1007, 13.0372, 1.9766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 57, 18) }
```

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

```
.background{ background-color: rgb(183, 57,  
18) }
```

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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