

Converting Colors

XYZ(12.7519, 10.7319, 1.9803)

Have a look what the booklet for
XYZ(12.7519, 10.7319, 1.9803)
contains.

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Color

**XYZ(12.7367, 10.7040,
1.9670)**

Conversions

Conversions Part 1

Format	Color
Hex	864F12
RGB	134, 79, 18
RGB Percent	53%, 31%, 7%
CMY	0.4745, 0.6902, 0.9294
CMYK	0.00, 0.41, 0.87, 0.47
HSL	32°, 76%, 30%
HSV	32°, 87%, 53%
XYZ	12.7367, 10.7040, 1.9670
YIQ	88.4910, 52.3610, -7.3110

Conversions

Conversions Part 2

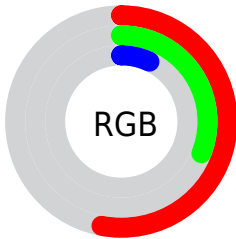
Format	Color
R_{YB}	123, 134, 18
Decimal	8802066
CIE _{Lab}	39.08, 18.46, 42.48
CIE _{LCh}	39, 46.321, 66.512
Yxy	10.7040, 0.5013, 0.4213
Android (android.graphics.Color)	4286992146 (0xFF864F12)
YUV	88.4910, -34.7521, 39.9114
Hunter-Lab	32.7170, 12.2353, 19.3373

Details

The XYZ color **12.7367, 10.7040, 1.9670** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **6.9348, 6.6145, 23.4653**, and the grayscale version is **9.4495, 9.9417, 10.8265**.

A 20% lighter version of the original color is **30.4705, 27.0501, 8.9254**, and **3.7965, 2.8063, 0.3416** is the 20% darker color. If you saturate the color by 10%, you get **12.2164, 9.7978, 1.3794**, and if you desaturate by 10%, it is **13.3608, 11.7228, 2.8827**.

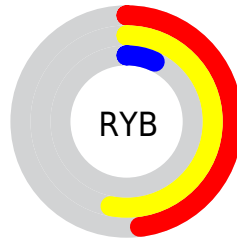
Distribution



Red (53%)

Green (31%)

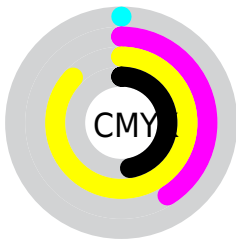
Blue (7%)



Red (48%)

Yellow (53%)

Blue (7%)

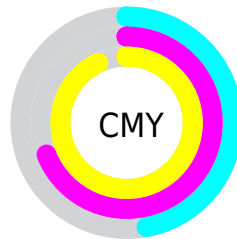


Cyan (0%)

Magenta (41%)

Yellow (87%)

Black (47%)



Cyan (47%)

Magenta (69%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7367, 10.7040, 1.9670 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 12.7367, 10.7040, 1.9670 by changing the saturation by 10% instead.

■ 12.7367, 10.7040,
1.9670

■ 12.7367, 10.7040,
1.9670

202.8951,
195.6254, 121.8622

■ 7.3232, 5.8682,
0.5349

■ 30.4353, 27.1115,
8.9504

■ 3.7132, 2.7651,
0.0000

■ 43.4511, 39.4520,
15.3993

■ 1.5412, 1.0104,
0.0000

■ 59.7318, 55.0627,
24.3778

■ 0.3536, 0.0000,
0.0000


■ 79.6427, 74.3282,
36.3043


■ 0.0000, 0.0000,
0.0000


■ 103.5491, 97.6329,
51.5975


■ 131.8164,


125.3610, 70.6759


 164.8100,
157.8971, 93.9579


 12.7367, 10.7040,
1.9670


 12.7367, 10.7040,
1.9670


 12.2164, 9.7978,
1.3794


 13.3608, 11.7228,
2.8827

 12.0511, 9.5076,
1.2000

 14.1034, 12.8604,
4.2016

 14.9739, 14.1230,
5.9667

 15.9805, 15.5156,
8.2154

 17.1305, 17.0428,
10.9812

■ 18.4306, 18.7088,
14.2945

■ 19.8871, 20.5178,
18.1834

■ 21.5058, 22.4737,
22.6738

■ 23.2922, 24.5801,
27.7903

Harmonies

Analogous

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



15.7501, 10.7040, 4.1674



12.7367, 10.7040, 1.9670



9.5133, 10.7040, 1.5953

Triad

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



12.7367, 10.7040, 1.9670



5.3299, 10.7040, 13.6980



14.1444, 10.7040, 31.4393

Complementary

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



12.7367, 10.7040, 1.9670



6.9348, 6.6145, 23.4653

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.



10.8643, 10.7040, 38.1392



12.7367, 10.7040, 1.9670



6.0988, 10.7040, 25.0327

Square

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



12.7367, 10.7040, 1.9670



5.6311, 10.7040, 6.0932



7.9801, 10.7040, 35.3384



16.6713, 10.7040, 19.8596

Rectangle

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



12.7367, 10.7040, 1.9670



7.7403, 10.7040, 2.0855



7.9801, 10.7040, 35.3384



13.0704, 10.7040, 34.5476

Sweetspot

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



12.7369, 10.7046, 1.9672



32.4717, 32.9615, 25.1821



11.2861, 5.9963, 7.0530



7.1594, 7.2281, 5.2683



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



12.7369, 10.7046, 1.9672



21.0795, 16.4447, 2.0631



18.1603, 22.0047, 3.8625



4.8601, 5.0639, 4.9506



11.3045, 8.9317, 1.1282



0.0465, 0.0456, 0.0063

Inverse Universe

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



6.9348, 6.6145, 23.4653



10.6147, 9.0989, 40.9352



4.8065, 2.3019, 22.7451



4.6030, 4.8817, 5.9004



5.7367, 5.0211, 21.8035



0.0271, 0.0318, 0.0779

Previews

White Background



This preview shows how the XYZ color 12.7367, 10.7040, 1.9670 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



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 12.7367, 10.7040, 1.9670

Background



This preview shows how black text looks on a background with the XYZ color 12.7367, 10.7040, 1.9670.



This preview shows how white text looks on a background with the XYZ color 12.7367, 10.7040,

1.9670.

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

12.7367, 10.7040, 1.9670

Protanopia

9.7681, 10.8297, 2.3346

Deuteranopia

10.8922, 10.7879, 1.8560



Tritanopia

14.1766, 10.7804, 8.7308

Trichromacy



Original Color

12.7367, 10.7040, 1.9670

Protanomaly

10.6953, 10.6784, 2.2069

Deuteranomaly

11.4961, 10.7397, 1.8825

Tritanomaly

13.4763, 10.6985, 5.2256

Monochromacy



Original Color

12.7367, 10.7040, 1.9670

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

9.9714, 9.8591, 6.0801

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7367, 10.7040, 1.9670 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(134, 79, 18)` looks like.

```
.text, #text, p{  
    color:rgb(134, 79, 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(134, 79, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 79, 18) }
```

Border

The CSS property to change the border of an element to XYZ 12.7367, 10.7040, 1.9670 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(134, 79, 18) }
```


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

```
.border{ border-color:rgb(134, 79, 18) }
```

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

Here you see how a box with a 4 pixel rgb(134, 79, 18) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 79, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 79, 18);  
box-shadow:4px 4px 4px 4px rgb(134, 79,  
18) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7367, 10.7040, 1.9670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 79, 18) }
```

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

```
.background{ background-color: rgb(134, 79,  
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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