

Converting Colors

XYZ(12.6045, 10.3100, 1.0962)

Have a look what the booklet for
XYZ(12.6045, 10.3100, 1.0962)
contains.

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Color

**XYZ(12.7378, 10.4031,
1.3366)**

Conversions

Conversions Part 1

Format	Color
Hex	884C00
RGB	136, 76, 0
RGB Percent	53%, 30%, 0%
CMY	0.4667, 0.7019, 1.0000
CMYK	0.00, 0.44, 1.00, 0.47
HSL	34°, 100%, 27%
HSV	34°, 100%, 53%
XYZ	12.7378, 10.4031, 1.3366
YIQ	85.2760, 60.1560, -10.9160

Conversions

Conversions Part 2

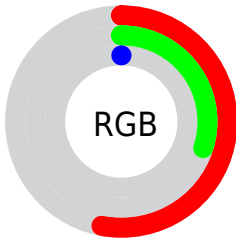
Format	Color
RYB	107, 136, 0
Decimal	8932352
CIELab	38.56, 20.71, 47.93
CIELCh	39, 52.211, 66.625
Yxy	10.4031, 0.5204, 0.4250
Android (android.graphics.Color)	4287122432 (0xFF884C00)
YUV	85.2760, -42.0411, 44.4849
Hunter-Lab	32.2538, 14.0496, 20.1207

Details

The XYZ color **12.7378, 10.4031, 1.3366** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **6.0597, 5.0090, 23.9399**, and the grayscale version is **8.7696, 9.2263, 10.0474**.

A 20% lighter version of the original color is **30.5289, 26.5452, 7.1291**, and **3.7983, 2.6854, 0.3182** is the 20% darker color. If you saturate the color by 10%, you get **12.7380, 10.4036, 1.3367**, and if you desaturate by 10%, it is **13.2475, 11.3000, 1.8843**.

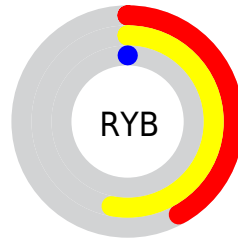
Distribution



Red (53%)

Green (30%)

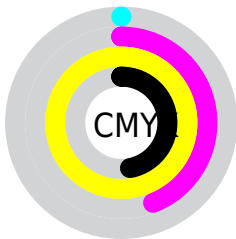
Blue (0%)



Red (42%)

Yellow (53%)

Blue (0%)

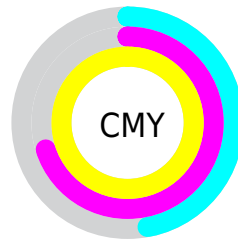


Cyan (0%)

Magenta (44%)

Yellow (100%)

Black (47%)



Cyan (47%)


Magenta (70%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 12.7378, 10.4031, 1.3366 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 12.7378, 10.4031, 1.3366 by changing the saturation by 10% instead.


 12.7378, 10.4031,
1.3366


 12.7378, 10.4031,
1.3366


 202.9021,
193.5254, 111.0346


 7.3240, 5.6670,
0.0915


 30.4373, 26.5510,
7.1316


 3.7137, 2.6437,
0.0000


 43.4536, 38.7316,
12.7554


 1.5415, 0.9487,
0.0000

 59.7349, 54.1625,
20.7548

 0.3538, 0.0000,
0.0000


 79.6464, 73.2281,
31.5483


 0.0000, 0.0000,
0.0000


 103.5535, 96.3128,
45.5545


 131.8216,


123.8010, 63.1920


 164.8160,
156.0770, 84.8792


 12.7378, 10.4031,
1.3366


 12.7378, 10.4031,
1.3366


 12.7380, 10.4036,
1.3367

 13.2475, 11.3000,
1.8843

 13.8435, 12.2943,
2.6926

 14.5531, 13.3989,
3.8989

 15.3860, 14.6192,
5.5505

 16.3510, 15.9601,
7.6879

■ 17.4555, 17.4261,
10.3469

■ 18.7066, 19.0213,
13.5601

■ 20.1107, 20.7497,
17.3572

■ 21.6738, 22.6148,
21.7658

Harmonies

Analogous

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



16.1714, 10.4031, 3.3894



12.7378, 10.4031, 1.3366



9.1473, 10.4031, 1.0228

Triad

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



12.7378, 10.4031, 1.3366



4.6825, 10.4031, 13.6457



14.3604, 10.4031, 34.2102

Complementary

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



12.7378, 10.4031, 1.3366



6.0597, 5.0090, 23.9399

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.



10.6673, 10.4031, 42.2925



12.7378, 10.4031, 1.3366



5.4880, 10.4031, 26.7175

Square

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



12.7378, 10.4031, 1.3366



4.9907, 10.4031, 5.3708



7.4982, 10.4031, 38.9614



17.2493, 10.4031, 20.5797

Rectangle

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



12.7378, 10.4031, 1.3366



7.2202, 10.4031, 1.4483



7.4982, 10.4031, 38.9614



13.1428, 10.4031, 37.9403

Sweetspot

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



12.7380, 10.4037, 1.3368



32.8150, 33.3310, 23.4971



11.0010, 5.5733, 4.9392



7.4066, 7.4753, 4.9391



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



12.7380, 10.4037, 1.3368



22.2918, 18.0214, 2.3036



17.8878, 22.2911, 3.3599



5.2494, 5.4817, 5.3338



12.0655, 9.8654, 1.2683



0.0948, 0.0948, 0.0133

Inverse Universe

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



6.0597, 5.0090, 23.9399



10.5290, 8.5276, 42.1394



4.5291, 1.8215, 23.4053



4.9444, 5.2317, 6.3551



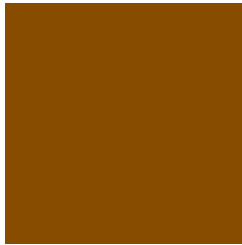
5.7443, 4.7589, 22.6615



0.0524, 0.0600, 0.1553

Previews

White Background



This preview shows how the XYZ color 12.7378, 10.4031, 1.3366 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 12.7378, 10.4031, 1.3366

Background



This preview shows how black text looks on a background with the XYZ color 12.7378, 10.4031, 1.3366.



This preview shows how white text looks on a background with the XYZ color 12.7378, 10.4031,

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

12.7378, 10.4031, 1.3366

Protanopia

9.4811, 10.5620, 1.8556

Deuteranopia

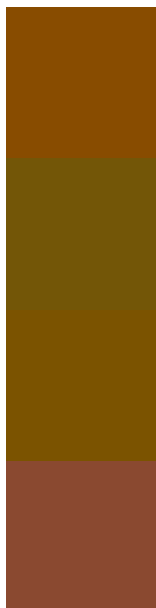
10.6107, 10.5294, 1.4731



Tritanopia

14.2052, 10.5172, 8.1188

Trichromacy



Original Color

12.7378, 10.4031, 1.3366

Protanomaly

10.4364, 10.3158, 1.6421

Deuteranomaly

11.2616, 10.3975, 1.4134

Tritanomaly

13.3973, 10.3818, 4.0941

Monochromacy



Original Color

12.7378, 10.4031, 1.3366

Achromatopsia

8.6345, 9.0842, 9.8927

Achromatomaly

9.3921, 9.2440, 4.7793

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7378, 10.4031, 1.3366 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(136, 76, 0)` looks like.

```
.text, #text, p{  
    color:rgb(136, 76, 0)  
}
```

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(136, 76, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 76, 0) }
```

Border

The CSS property to change the border of an element to XYZ 12.7378, 10.4031, 1.3366 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(136, 76, 0) }
```


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

```
.border{ border-color:rgb(136, 76, 0) }
```

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

Here you see how a box with a 4 pixel rgb(136, 76, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 76, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 76, 0);  
box-shadow:4px 4px 4px 4px rgb(136, 76, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.7378, 10.4031, 1.3366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 76, 0) }
```

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

```
.background{ background-color: rgb(136, 76,  
0) }
```

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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