

Converting Colors

XYZ(12.4256, 10.3554, 2.0195)

Have a look what the booklet for
XYZ(12.4256, 10.3554, 2.0195)
contains.

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Color

**XYZ(12.4530, 10.3448,
2.0022)**

Conversions

Conversions Part 1

Format	Color
Hex	854D14
RGB	133, 77, 20
RGB Percent	52%, 30%, 8%
CMY	0.4784, 0.6980, 0.9216
CMYK	0.00, 0.42, 0.85, 0.48
HSL	30°, 74%, 30%
HSV	30°, 85%, 52%
XYZ	12.4530, 10.3448, 2.0022
YIQ	87.2460, 51.6730, -5.8550

Conversions

Conversions Part 2

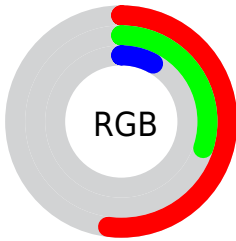
Format	Color
R_{YB}	131, 133, 20
Decimal	8736020
CIE _{Lab}	38.45, 19.23, 41.10
CIE _{LCh}	38, 45.375, 64.921
Yxy	10.3448, 0.5021, 0.4171
Android (android.graphics.Color)	4286926100 (0xFF854D14)
YUV	87.2460, -33.1523, 40.1263
Hunter-Lab	32.1633, 12.8258, 18.8235

Details

The XYZ color **12.4530, 10.3448, 2.0022** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **7.1064, 7.0106, 23.1688**, and the grayscale version is **9.1740, 9.6517, 10.5107**.

A 20% lighter version of the original color is **29.9901, 26.4154, 8.9869**, and **3.6584, 2.6527, 0.3192** is the 20% darker color. If you saturate the color by 10%, you get **11.9256, 9.4334, 1.3847**, and if you desaturate by 10%, it is **13.0905, 11.3759, 2.9669**.

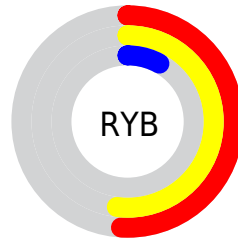
Distribution



Red (52%)

Green (30%)

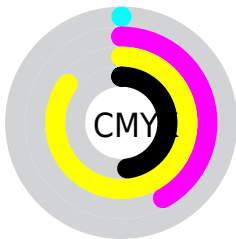
Blue (8%)



Red (51%)

Yellow (52%)

Blue (8%)

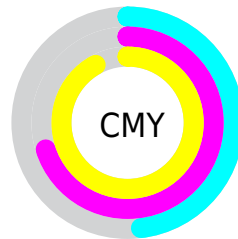


Cyan (0%)

Magenta (42%)

Yellow (85%)

Black (48%)



Cyan (48%)

Magenta (70%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.4530, 10.3448, 2.0022 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 12.4530, 10.3448, 2.0022 by changing the saturation by 10% instead.

12.4530, 10.3448,
2.0022

12.4530, 10.3448,
2.0022

201.0909,
193.1156, 122.4109

7.1274, 5.6282,
0.5566

29.9273, 26.4420,
9.0468

3.5889, 2.6203,
0.0000

42.8066, 38.5914,
15.5377

1.4723, 0.9369,
0.0000

58.9345, 53.9872,
24.5657

0.3069, 0.0000,
0.0000


78.6765, 73.0138,
36.5493


0.0000, 0.0000,
0.0000


102.3977, 96.0555,
51.9071


130.4636,


123.4968, 71.0576

 163.2396,
155.7220, 94.4193


 12.4530, 10.3448,
2.0022


 12.4530, 10.3448,
2.0022


 11.9256, 9.4334,
1.3847


 13.0905, 11.3759,
2.9669

 11.6854, 9.0118,
1.1236

 13.8497, 12.5322,
4.3364

 14.7398, 13.8198,
6.1519

 15.7689, 15.2439,
8.4496

 16.9441, 16.8092,
11.2618

■ 18.2722, 18.5203,
14.6180

■ 19.7593, 20.3815,
18.5453

■ 21.4114, 22.3967,
23.0692

■ 23.2338, 24.5699,
28.2135

Harmonies

Analogous

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



15.2884, 10.3448, 4.2629



12.4530, 10.3448, 2.0022



9.3514, 10.3448, 1.5699

Triad

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



12.4530, 10.3448, 2.0022



5.1751, 10.3448, 12.7234



13.4713, 10.3448, 30.6619

Complementary

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



12.4530, 10.3448, 2.0022



7.1064, 7.0106, 23.1688

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.



10.3297, 10.3448, 36.6271



12.4530, 10.3448, 2.0022



5.8587, 10.3448, 23.4373

Square

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



12.4530, 10.3448, 2.0022



5.5192, 10.3448, 5.6626



7.6080, 10.3448, 33.4748



15.9543, 10.3448, 19.7011

Rectangle

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



12.4530, 10.3448, 2.0022



7.6201, 10.3448, 1.9962



7.6080, 10.3448, 33.4748



12.4362, 10.3448, 33.5144

Sweetspot

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



12.4532, 10.3453, 2.0024



32.5698, 32.9729, 25.7845



11.2450, 6.0157, 7.4975



7.1727, 7.2178, 5.3864



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.



12.4532, 10.3453, 2.0024



20.7688, 15.8231, 1.9595



18.1865, 21.8119, 3.9135



4.8523, 5.0481, 4.9480



11.1388, 8.6002, 1.0729



0.0459, 0.0444, 0.0061

Inverse Universe

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



7.1064, 7.0106, 23.1688



10.9036, 9.6766, 41.0315



4.7723, 2.3425, 22.3907



4.6109, 4.8974, 5.9030



5.8912, 5.3303, 21.8550



0.0277, 0.0330, 0.0781

Previews

White Background



This preview shows how the XYZ color 12.4530, 10.3448, 2.0022 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 12.4530, 10.3448, 2.0022

Background



This preview shows how black text looks on a background with the XYZ color 12.4530, 10.3448, 2.0022.



This preview shows how white text looks on a background with the XYZ color 12.4530, 10.3448,

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

12.4530, 10.3448, 2.0022

Protanopia

9.3854, 10.3729, 2.3717

Deuteranopia

10.4842, 10.3349, 1.8942



Tritanopia

13.8103, 10.4048, 8.3016

Trichromacy



Original Color

12.4530, 10.3448, 2.0022

Protanomaly

10.2925, 10.2281, 2.2424

Deuteranomaly

11.2205, 10.3646, 1.9395

Tritanomaly

13.1543, 10.3340, 5.0427

Monochromacy



Original Color

12.4530, 10.3448, 2.0022

Achromatopsia

9.0590, 9.5307, 10.3790

Achromatomaly

9.6994, 9.4885, 6.0229

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4530, 10.3448, 2.0022 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(133, 77, 20)` looks like.

```
.text, #text, p{  
    color:rgb(133, 77, 20)  
}
```

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(133, 77, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 77, 20) }
```

Border

The CSS property to change the border of an element to XYZ 12.4530, 10.3448, 2.0022 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(133, 77, 20) }
```


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

```
.border{ border-color:rgb(133, 77, 20) }
```

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

Here you see how a box with a 4 pixel rgb(133, 77, 20) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 77, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 77, 20);  
box-shadow:4px 4px 4px 4px rgb(133, 77,  
20) }
```

Background

The CSS property to change the background color of an element to XYZ 12.4530, 10.3448, 2.0022 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 77, 20) }
```

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

```
.background{ background-color: rgb(133, 77,  
20) }
```

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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