

Converting Colors

XYZ(12.2737, 10.1996, 2.0301)

Have a look what the booklet for
XYZ(12.2737, 10.1996, 2.0301)
contains.

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Color

**XYZ(12.3050, 10.2674,
2.0427)**

Conversions

Conversions Part 1

Format	Color
Hex	844D15
RGB	132, 77, 21
RGB Percent	52%, 30%, 8%
CMY	0.4824, 0.6980, 0.9176
CMYK	0.00, 0.42, 0.84, 0.48
HSL	30°, 73%, 30%
HSV	30°, 84%, 52%
XYZ	12.3050, 10.2674, 2.0427
YIQ	87.0610, 50.7560, -5.7560

Conversions

Conversions Part 2

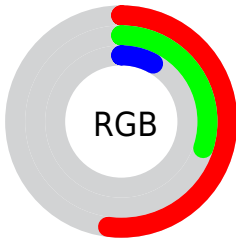
Format	Color
R_{YB}	130, 132, 21
Decimal	8670485
CIE Lab	38.32, 18.81, 40.51
CIE LCh	38, 44.663, 65.092
Yxy	10.2674, 0.4999, 0.4171
Android (android.graphics.Color)	4286860565 (0xFF844D15)
YUV	87.0610, -32.5681, 39.4115
Hunter-Lab	32.0428, 12.4723, 18.6503

Details

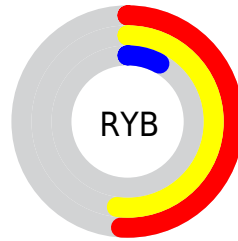
The XYZ color **12.3050, 10.2674, 2.0427** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **7.0585, 6.9940, 22.8078**, and the grayscale version is **9.1328, 9.6084, 10.4636**.

A 20% lighter version of the original color is **29.5213, 26.1702, 9.1256**, and **3.5771, 2.6108, 0.3154** is the 20% darker color. If you saturate the color by 10%, you get **11.7777, 9.3611, 1.4102**, and if you desaturate by 10%, it is **12.9424, 11.2922, 3.0261**.

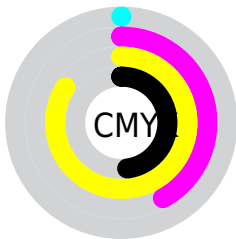
Distribution



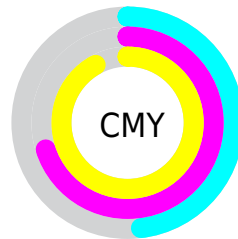
- Red (52%)
- Green (30%)
- Blue (8%)



- Red (51%)
- Yellow (52%)
- Blue (8%)



- Cyan (0%)
- Magenta (42%)
- Yellow (84%)
- Black (48%)





- Cyan (48%)
- Magenta (70%)
- Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.3050, 10.2674, 2.0427 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 12.3050, 10.2674, 2.0427 by changing the saturation by 10% instead.


 12.3050, 10.2674,
2.0427


 12.3050, 10.2674,
2.0427


200.1431,
192.5700, 123.0363


 7.0254, 5.5766,
0.5813


 29.6615, 26.2973,
9.1572


 3.5245, 2.5894,
0.0000

 42.4690, 38.4051,
15.6959

 1.4368, 0.9213,
0.0000

 58.5167, 53.7541,
24.7803

 0.2822, 0.0000,
0.0000

 78.1697, 72.7286,
36.8289

 0.0000, 0.0000,
0.0000

 101.7935, 95.7131,
52.2603

 129.7535,

123.0919, 71.4929

162.4149,
155.2494, 94.9454

12.3050, 10.2674,
2.0427

12.3050, 10.2674,
2.0427

11.7777, 9.3611,
1.4102

12.9424, 11.2922,
3.0261

11.4991, 8.8722,
1.1064

13.7002, 12.4405,
4.4112

14.5874, 13.7183,
6.2378

15.6117, 15.1305,
8.5412

16.7802, 16.6819,
11.3526

■ 18.0994, 18.3768,
14.7009

■ 19.5753, 20.2195,
18.6126

■ 21.2137, 22.2138,
23.1124

■ 23.0199, 24.3636,
28.2236

Harmonies

Analogous

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



15.0789, 10.2674, 4.2749



12.3050, 10.2674, 2.0427



9.2715, 10.2674, 1.6175

Triad

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



12.3050, 10.2674, 2.0427



5.1861, 10.2674, 12.6601



13.3346, 10.2674, 30.0379

Complementary

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



12.3050, 10.2674, 2.0427



7.0585, 6.9940, 22.8078

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.



10.2630, 10.2674, 35.8772



12.3050, 10.2674, 2.0427



5.8653, 10.2674, 23.1262

Square

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



12.3050, 10.2674, 2.0427



5.5193, 10.2674, 5.7056



7.5907, 10.2674, 32.8662



15.7512, 10.2674, 19.3593

Rectangle

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



12.3050, 10.2674, 2.0427



7.5769, 10.2674, 2.0497



7.5907, 10.2674, 32.8662



12.3241, 10.2674, 32.8215

Sweetspot

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



12.3052, 10.2679, 2.0429



31.5238, 31.9162, 24.9685



11.1059, 5.9707, 7.4962



7.1728, 7.2180, 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.



12.3052, 10.2679, 2.0429



20.1056, 15.3285, 1.8990



17.9024, 21.4622, 3.9086



4.8523, 5.0481, 4.9480



11.1393, 8.6013, 1.0731



0.0459, 0.0444, 0.0061

Inverse Universe

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



7.0585, 6.9940, 22.8078



10.5575, 9.3768, 39.7066



4.7423, 2.3618, 22.0358



4.6109, 4.8973, 5.9030



5.8907, 5.3292, 21.8549



0.0277, 0.0330, 0.0781

Previews

White Background



This preview shows how the XYZ color 12.3050, 10.2674, 2.0427 looks on a white background.

Color Contrast Check

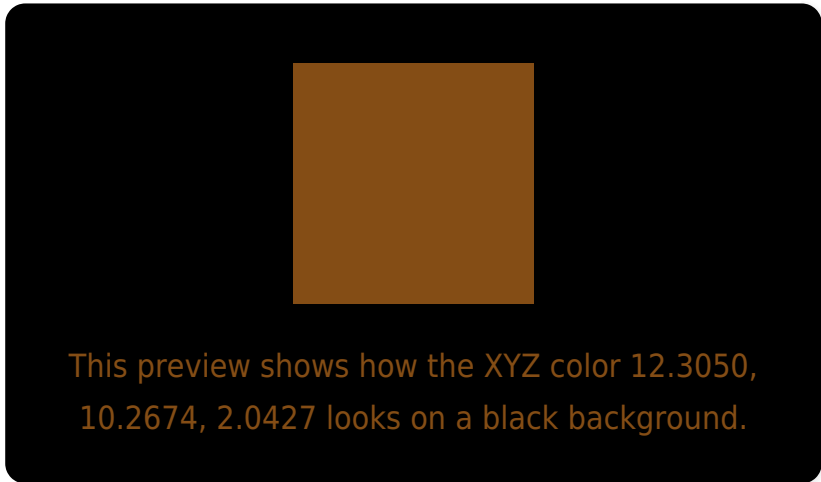
Large Text (above 18pt) WCAG AA ✓ Pass

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

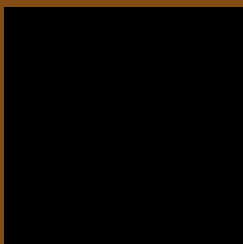
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.3050, 10.2674, 2.0427

Background



This preview shows how black text looks on a background with the XYZ color 12.3050, 10.2674, 2.0427.



This preview shows how white text looks on a background with the XYZ color 12.3050, 10.2674,

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

12.3050, 10.2674, 2.0427

Protanopia

9.3960, 10.3771, 2.4275

Deuteranopia

10.4915, 10.3378, 1.9326



Tritanopia

13.6486, 10.3214, 8.2941

Trichromacy



Original Color

12.3050, 10.2674, 2.0427

Protanomaly

10.3027, 10.2322, 2.2962

Deuteranomaly

11.0876, 10.2951, 1.9750

Tritanomaly

13.0188, 10.2613, 5.1654

Monochromacy



Original Color

12.3050, 10.2674, 2.0427

Achromatopsia

9.0590, 9.5307, 10.3790

Achromatomaly

9.5840, 9.4290, 6.0175

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3050, 10.2674, 2.0427 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(132, 77, 21)` looks like.

```
.text, #text, p{  
    color:rgb(132, 77, 21)  
}
```

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(132, 77, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 77, 21) }
```

Border

The CSS property to change the border of an element to XYZ 12.3050, 10.2674, 2.0427 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(132, 77, 21) }
```


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

```
.border{ border-color:rgb(132, 77, 21) }
```

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

Here you see how a box with a 4 pixel rgb(132, 77, 21) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 77, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 77, 21);  
box-shadow:4px 4px 4px 4px rgb(132, 77,  
21) }
```

Background

The CSS property to change the background color of an element to XYZ 12.3050, 10.2674, 2.0427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 77, 21) }
```

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

```
.background{ background-color: rgb(132, 77,  
21) }
```

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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