

Converting Colors

XYZ(12.2706, 10.0897, 1.4937)

Have a look what the booklet for
XYZ(12.2706, 10.0897, 1.4937)
contains.

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Color

**XYZ(12.2273, 10.0340,
1.4933)**

Conversions

Conversions Part 1

Format	Color
Hex	854B07
RGB	133, 75, 7
RGB Percent	52%, 29%, 3%
CMY	0.4784, 0.7059, 0.9725
CMYK	0.00, 0.44, 0.95, 0.48
HSL	32°, 90%, 27%
HSV	32°, 95%, 52%
XYZ	12.2273, 10.0340, 1.4933
YIQ	84.5900, 56.3960, -8.8520

Conversions

Conversions Part 2

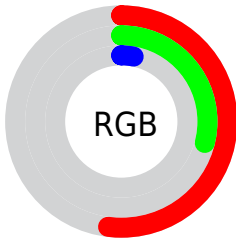
Format	Color
RYB	114, 133, 7
Decimal	8735495
CIELab	37.90, 20.06, 45.06
CIELCh	38, 49.329, 65.999
Yxy	10.0340, 0.5147, 0.4224
Android (android.graphics.Color)	4286925575 (0xFF854B07)
YUV	84.5900, -38.2519, 42.4556
Hunter-Lab	31.6765, 13.4681, 19.3785

Details

The XYZ color **12.2273, 10.0340, 1.4933** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **6.2115, 5.5191, 22.9281**, and the grayscale version is **8.6183, 9.0671, 9.8741**.

A 20% lighter version of the original color is **29.4829, 25.8074, 7.5651**, and **3.5248, 2.5063, 0.2980** is the 20% darker color. If you saturate the color by 10%, you get **11.9760, 9.5929, 1.2204**, and if you desaturate by 10%, it is **12.7536, 10.9417, 2.1158**.

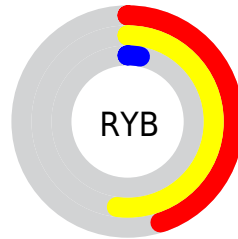
Distribution



Red (52%)

Green (29%)

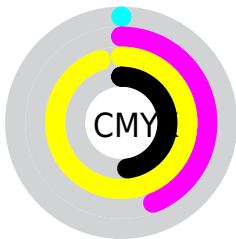
Blue (3%)



Red (45%)

Yellow (52%)

Blue (3%)

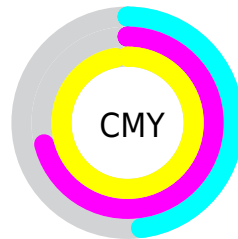


Cyan (0%)

Magenta (44%)

Yellow (95%)

Black (48%)



Cyan (48%)


Magenta (71%)


Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.2273, 10.0340, 1.4933 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 12.2273, 10.0340, 1.4933 by changing the saturation by 10% instead.


 12.2273, 10.0340,
1.4933


 12.2273, 10.0340,
1.4933


 199.6436,
190.9146, 113.9333

 6.9720, 5.4215,
0.2129


 29.5217, 25.8594,
7.6025


 3.4908, 2.4966,
0.0000

 42.2915, 37.8412,
13.4466


 1.4183, 0.8750,
0.0000

 58.2968, 53.0481,
21.7085

 0.2692, 0.0000,
0.0000


 77.9030, 71.8646,
32.8067


 0.0000, 0.0000,
0.0000


 101.4754, 94.6751,
47.1598


 129.3794,


121.8640, 65.1862


 161.9804,
153.8157, 87.3045


 12.2273, 10.0340,
1.4933


 12.2273, 10.0340,
1.4933


 11.9760, 9.5929,
1.2204

 12.7536, 10.9417,
2.1158

 13.3841, 11.9563,
3.0858

 14.1308, 13.0847,
4.4598

 15.0023, 14.3320,
6.2787

 16.0064, 15.7028,
8.5783

■ 17.1501, 17.2014,
11.3908

■ 18.4397, 18.8319,
14.7456

■ 19.8812, 20.5979,
18.6697

■ 21.4803, 22.5032,
23.1885

Harmonies

Analogous

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



15.3438, 10.0340, 3.5583



12.2273, 10.0340, 1.4933



8.9161, 10.0340, 1.1498

Triad

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



12.2273, 10.0340, 1.4933



4.6817, 10.0340, 12.8462



13.5715, 10.0340, 31.9085

Complementary

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



12.2273, 10.0340, 1.4933



6.2115, 5.5191, 22.9281

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.



10.1861, 10.0340, 38.9666



12.2273, 10.0340, 1.4933



5.4184, 10.0340, 24.6724

Square

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



12.2273, 10.0340, 1.4933



4.9945, 10.0340, 5.2670



7.2735, 10.0340, 35.7695



16.2321, 10.0340, 19.6391

Rectangle

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



12.2273, 10.0340, 1.4933



7.1144, 10.0340, 1.5624



7.2735, 10.0340, 35.7695



12.4553, 10.0340, 35.2071

Sweetspot

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



12.2275, 10.0345, 1.4935



32.0891, 32.5566, 23.9439



10.7263, 5.5295, 5.6255



7.0378, 7.0918, 4.8979



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.



12.2275, 10.0345, 1.4935



21.2880, 16.8617, 2.1326



17.4487, 21.4418, 3.4201



4.8652, 5.0740, 4.9523



11.4156, 9.1537, 1.1652



0.0469, 0.0463, 0.0065

Inverse Universe

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



6.2115, 5.5191, 22.9281



10.4368, 8.7429, 40.8759



4.4503, 1.9180, 22.3259



4.5980, 4.8716, 5.8987



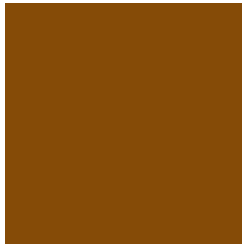
5.6412, 4.8303, 21.7717



0.0267, 0.0311, 0.0778

Previews

White Background



This preview shows how the XYZ color 12.2273, 10.0340, 1.4933 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 12.2273, 10.0340, 1.4933

Background



This preview shows how black text looks on a background with the XYZ color 12.2273, 10.0340, 1.4933.



This preview shows how white text looks on a background with the XYZ color 12.2273, 10.0340,

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

12.2273, 10.0340, 1.4933

Protanopia

9.0956, 10.1081, 1.8524

Deuteranopia

10.1879, 10.0744, 1.4076



Tritanopia

13.6135, 10.1226, 7.8929

Trichromacy



Original Color

12.2273, 10.0340, 1.4933

Protanomaly

10.1190, 10.0319, 1.7196

Deuteranomaly

10.8440, 9.9564, 1.4364

Tritanomaly

12.8848, 10.0159, 4.2718

Monochromacy



Original Color

12.2273, 10.0340, 1.4933

Achromatopsia

8.6345, 9.0842, 9.8927

Achromatomaly

9.1604, 9.0050, 5.1262

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2273, 10.0340, 1.4933 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, 75, 7)` looks like.

```
.text, #text, p{  
    color:rgb(133, 75, 7)  
}
```

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, 75, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 75, 7) }
```

Border

The CSS property to change the border of an element to XYZ 12.2273, 10.0340, 1.4933 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, 75, 7) }
```


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

```
.border{ border-color:rgb(133, 75, 7) }
```

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

Here you see how a box with a 4 pixel rgb(133, 75, 7) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 75, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 75, 7);  
box-shadow:4px 4px 4px 4px rgb(133, 75, 7)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.2273, 10.0340, 1.4933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 75, 7) }
```

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

```
.background{ background-color: rgb(133, 75,  
7) }
```

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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