

Converting Colors

XYZ(11.9731, 9.8593, 2.0404)

Have a look what the booklet for
XYZ(11.9731, 9.8593, 2.0404)
contains.

XYZ(12.0210, 9.9154, 2.0393)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(12.0210, 9.9154,
2.0393)**

Conversions

Conversions Part 1

Format	Color
Hex	834B16
RGB	131, 75, 22
RGB Percent	51%, 29%, 9%
CMY	0.4863, 0.7059, 0.9137
CMYK	0.00, 0.43, 0.83, 0.49
HSL	29°, 71%, 30%
HSV	29°, 83%, 51%
XYZ	12.0210, 9.9154, 2.0393
YIQ	85.7020, 50.3890, -4.6110

Conversions

Conversions Part 2

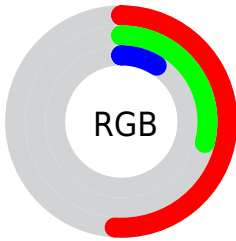
Format	Color
R_{YB}	131, 125, 22
Decimal	8604438
CIE _{Lab}	37.69, 19.56, 39.46
CIE _{LCh}	38, 44.036, 63.635
Yxy	9.9154, 0.5014, 0.4136
Android (android.graphics.Color)	4286794518 (0xFF834B16)
YUV	85.7020, -31.4051, 39.7263
Hunter-Lab	31.4887, 13.0381, 18.2023

Details

The XYZ color **12.0210, 9.9154, 2.0393** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **7.1518, 7.2576, 22.4966**, and the grayscale version is **8.8394, 9.2997, 10.1274**.

A 20% lighter version of the original color is **29.0522, 25.5489, 9.1946**, and **3.4448, 2.4650, 0.2942** is the 20% darker color. If you saturate the color by 10%, you get **11.4926, 9.0123, 1.3894**, and if you desaturate by 10%, it is **12.6622, 10.9418, 3.0426**.

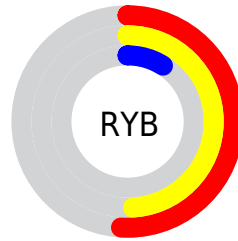
Distribution



Red (51%)

Green (29%)

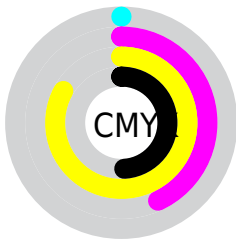
Blue (9%)



Red (51%)

Yellow (49%)

Blue (9%)

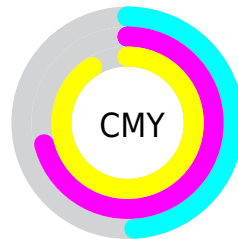


Cyan (0%)

Magenta (43%)

Yellow (83%)

Black (49%)



Cyan (49%)


Magenta (71%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.0210, 9.9154, 2.0393 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 12.0210, 9.9154, 2.0393 by changing the saturation by 10% instead.


 12.0210, 9.9154,
2.0393


 12.0210, 9.9154,
2.0393


198.3113,
190.0672, 122.9841


 6.8303, 5.3429,
0.5793


 29.1499, 25.6363,
9.1480


 3.4016, 2.4498,
0.0000

 41.8187, 37.5534,
15.6827


 1.3695, 0.8513,
0.0000

 57.7110, 52.6876,
24.7623

 0.2343, 0.0000,
0.0000


 77.1921, 71.4231,
36.8055


 0.0000, 0.0000,
0.0000


 100.6273, 94.1444,
52.2307


 128.3820,


121.2360, 71.4565


 160.8216,
153.0821, 94.9015


 12.0210, 9.9154,
2.0393


 12.0210, 9.9154,
2.0393


 11.4926, 9.0123,
1.3894


 12.6622, 10.9418,
3.0426

 11.1767, 8.4585,
1.0436

 13.4256, 12.0962,
4.4453

 14.3201, 13.3848,
6.2863

 15.3535, 14.8128,
8.5995

 16.5326, 16.3850,
11.4157

■ 17.8640, 18.1061,
14.7629

■ 19.3537, 19.9802,
18.6669

■ 21.0074, 22.0115,
23.1521

■ 22.8304, 24.2039,
28.2411

Harmonies

Analogous

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



14.6506, 9.9154, 4.3131



12.0210, 9.9154, 2.0393



9.0873, 9.9154, 1.5644

Triad

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



12.0210, 9.9154, 2.0393



5.0103, 9.9154, 11.8028



12.7294, 9.9154, 29.3759

Complementary

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



12.0210, 9.9154, 2.0393



7.1518, 7.2576, 22.4966

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.



9.7695, 9.9154, 34.6282



12.0210, 9.9154, 2.0393



5.6172, 9.9154, 21.7768

Square

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



12.0210, 9.9154, 2.0393



5.3791, 9.9154, 5.2976



7.2314, 9.9154, 31.3213



15.1131, 9.9154, 19.1858

Rectangle

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



12.0210, 9.9154, 2.0393



7.4278, 9.9154, 1.9389



7.2314, 9.9154, 31.3213



11.7499, 9.9154, 31.9565

Sweetspot

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



12.0212, 9.9159, 2.0395



31.4001, 31.6688, 24.9273



11.0335, 5.9537, 7.8351



7.1413, 7.1550, 5.3759



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.



12.0212, 9.9159, 2.0395



19.8613, 14.8398, 1.8176



17.3793, 20.6320, 3.8255



4.8456, 5.0347, 4.9458



11.0044, 8.3314, 1.0281



0.0454, 0.0434, 0.0060

Inverse Universe

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



7.1518, 7.2576, 22.4966



10.8073, 9.8763, 39.7899



4.7505, 2.4550, 21.6961



4.6176, 4.9107, 5.9052



6.0285, 5.6048, 21.9008



0.0282, 0.0340, 0.0783

Previews

White Background



This preview shows how the XYZ color 12.0210, 9.9154, 2.0393 looks on a white background.

Color Contrast Check

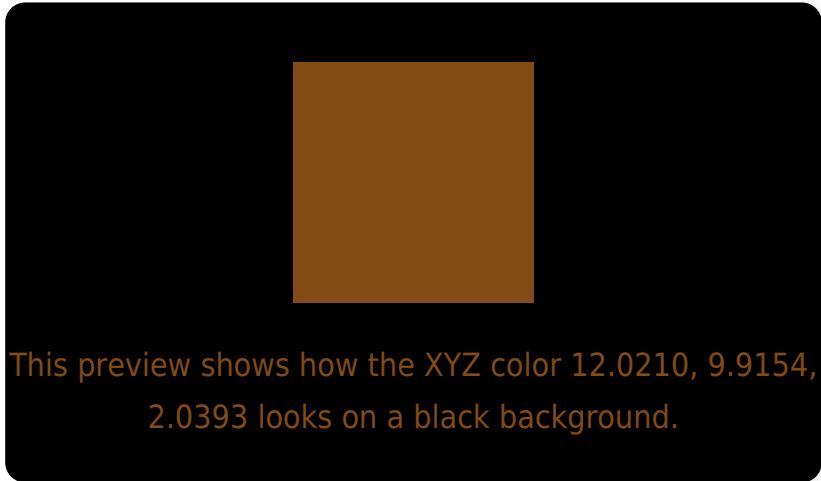
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 12.0210, 9.9154, 2.0393

Background



This preview shows how black text looks on a background with the XYZ color 12.0210, 9.9154, 2.0393.



This preview shows how white text looks on a background with the XYZ color 12.0210, 9.9154,

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

12.0210, 9.9154, 2.0393

Protanopia

9.0144, 9.9287, 2.4186

Deuteranopia

10.1597, 10.0482, 1.9343



Tritanopia

13.1330, 9.8749, 7.8705

Trichromacy



Original Color

12.0210, 9.9154, 2.0393

Protanomaly

9.9013, 9.7903, 2.2876

Deuteranomaly

10.8057, 9.9249, 1.9623

Tritanomaly

12.5469, 9.8258, 4.9767

Monochromacy



Original Color

12.0210, 9.9154, 2.0393

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

9.3940, 9.2182, 5.9868

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0210, 9.9154, 2.0393 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(131, 75, 22)` looks like.

```
.text, #text, p{  
    color:rgb(131, 75, 22)  
}
```

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(131, 75, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 75, 22) }
```

Border

The CSS property to change the border of an element to XYZ 12.0210, 9.9154, 2.0393 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(131, 75, 22) }
```


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

```
.border{ border-color:rgb(131, 75, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 75, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 75, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 75, 22);  
box-shadow:4px 4px 4px 4px rgb(131, 75,  
22) }
```

Background

The CSS property to change the background color of an element to XYZ 12.0210, 9.9154, 2.0393 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 75, 22) }
```

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

```
.background{ background-color: rgb(131, 75,  
22) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor