

Converting Colors

XYZ(21.2216, 14.1373, 1.6103)

Have a look what the booklet for
XYZ(21.2216, 14.1373, 1.6103)
contains.

XYZ(21.1842, 14.0800, 1.6012)	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(21.1842, 14.0800,
1.6012)**

Conversions

Conversions Part 1

Format	Color
Hex	B54500
RGB	181, 69, 0
RGB Percent	71%, 27%, 0%
CMY	0.2902, 0.7294, 1.0000
CMYK	0.00, 0.62, 1.00, 0.29
HSL	23°, 100%, 35%
HSV	23°, 100%, 71%
XYZ	21.1842, 14.0800, 1.6012
YIQ	94.6220, 88.9010, 2.2850

Conversions

Conversions Part 2

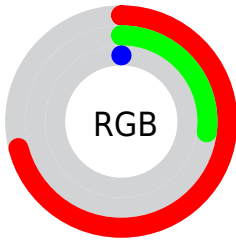
Format	Color
RYB	181, 112, 0
Decimal	11879680
CIELab	44.35, 43.03, 55.05
CIELCh	44, 69.873, 51.983
Yxy	14.0800, 0.5746, 0.3819
Android (android.graphics.Color)	4290069760 (0xFFB54500)
YUV	94.6220, -46.6486, 75.7535
Hunter-Lab	37.5233, 35.1083, 23.7363

Details

The XYZ color **21.1842, 14.0800, 1.6012** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **14.1342, 14.9236, 45.8514**, and the grayscale version is **10.8805, 11.4472, 12.4660**.

A 20% lighter version of the original color is **44.8841, 33.2032, 7.9141**, and **7.8772, 4.2560, 0.4063** is the 20% darker color. If you saturate the color by 10%, you get **21.1843, 14.0805, 1.6013**, and if you desaturate by 10%, it is **22.0498, 15.6353, 2.4325**.

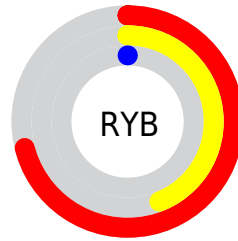
Distribution



Red (71%)

Green (27%)

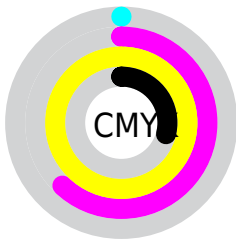
Blue (0%)



Red (71%)

Yellow (44%)

Blue (0%)

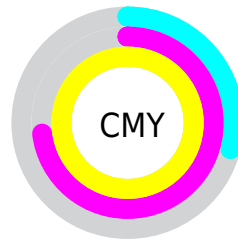


Cyan (0%)

Magenta (62%)

Yellow (100%)

Black (29%)



Cyan (29%)

Magenta (73%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.1842, 14.0800, 1.6012 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 21.1842, 14.0800, 1.6012 by changing the saturation by 10% instead.

21.1842, 14.0800,
1.6012

21.1842, 14.0800,
1.6012

250.9690,
217.7279, 115.8399

13.3719, 8.1763,
0.2917

44.8829, 33.2309,
7.9187

7.7639, 4.2080,
0.0000

61.5000, 47.2469,
13.9080

3.9948, 1.7906,
0.0000

81.7828, 64.7359,
22.3424

1.6992, 0.4813,
0.0000

106.0965, 86.0821,
33.6405

0.4558, 0.0000,
0.0000


134.8067,
111.6700, 48.2207


0.0000, 0.0000,
0.0000


168.2786,


141.8841, 66.5017


 206.8776,
177.1086, 88.9019


 21.1842, 14.0800,
1.6012


 21.1842, 14.0800,
1.6012


 21.1843, 14.0805,
1.6013

 22.0498, 15.6353,
2.4325

 23.1534, 17.5041,
3.8437

 24.5400, 19.7151,
6.0395

 26.2342, 22.2875,
9.1193

 28.2571, 25.2388,
13.1678

■ 30.6278, 28.5851,
18.2595

■ 33.3639, 32.3414,
24.4614

■ 36.4815, 36.5218,
31.8352

■ 39.9958, 41.1399,
40.4376

Harmonies

Analogous

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



26.0808, 14.0800, 6.4320



21.1842, 14.0800, 1.6012



14.9437, 14.0800, 0.5084

Triad

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



21.1842, 14.0800, 1.6012



5.2922, 14.0800, 11.4140



17.8391, 14.0800, 65.5082

Complementary

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



21.1842, 14.0800, 1.6012



14.1342, 14.9236, 45.8514

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.



11.9342, 14.0800, 70.7610



21.1842, 14.0800, 1.6012



5.6664, 14.0800, 30.0423

Square

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



21.1842, 14.0800, 1.6012



6.5575, 14.0800, 3.0913



7.7788, 14.0800, 54.8076



23.8038, 14.0800, 43.3057

Rectangle

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



21.1842, 14.0800, 1.6012



11.2661, 14.0800, 0.5671



7.7788, 14.0800, 54.8076



15.7489, 14.0800, 69.7370

Sweetspot

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



21.1845, 14.0808, 1.6014



59.4919, 57.5667, 43.2021



22.1295, 11.0532, 17.0767



12.4047, 11.8232, 8.2978



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



21.1845, 14.0808, 1.6014



37.7381, 24.8123, 2.8002



31.0904, 33.8925, 4.9034



8.7531, 9.0187, 8.9320



14.6666, 9.8318, 1.1247



0.5189, 0.4241, 0.0545

Inverse Universe

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



14.1342, 14.9236, 45.8514



25.0876, 26.2749, 82.0439



8.6699, 3.9951, 44.0299



8.4651, 9.0764, 10.8121



9.8123, 10.4249, 31.6320



0.3629, 0.4364, 1.0133

Previews

White Background



This preview shows how the XYZ color 21.1842, 14.0800, 1.6012 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



This preview shows how the XYZ color 21.1842, 14.0800, 1.6012 looks on a 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 21.1842, 14.0800, 1.6012

Background



This preview shows how black text looks on a background with the XYZ color 21.1842, 14.0800, 1.6012.



This preview shows how white text looks on a background with the XYZ color 21.1842, 14.0800,

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

21.1842, 14.0800, 1.6012

Protanopia

12.8710, 14.2737, 2.6490

Deuteranopia

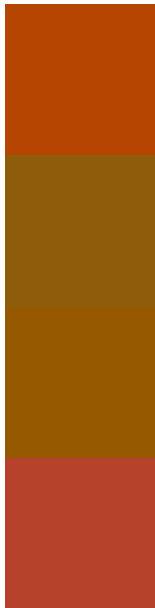
14.2300, 14.1009, 1.9717



Tritanopia

22.1682, 14.0292, 7.0084

Trichromacy



Original Color

21.1842, 14.0800, 1.6012

Protanomaly

15.1301, 13.6036, 2.1449

Deuteranomaly

16.1501, 13.6288, 1.7794

Tritanomaly

21.6757, 14.0159, 3.8484

Monochromacy



Original Color

21.1842, 14.0800, 1.6012

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

12.7476, 11.4174, 5.8069

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.1842, 14.0800, 1.6012 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(181, 69, 0)` looks like.

```
.text, #text, p{  
    color:rgb(181, 69, 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(181, 69, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 69, 0) }
```

Border

The CSS property to change the border of an element to XYZ 21.1842, 14.0800, 1.6012 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(181, 69, 0) }
```


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

```
.border{ border-color:rgb(181, 69, 0) }
```

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

Here you see how a box with a 4 pixel rgb(181, 69, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 69, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 69, 0);  
box-shadow:4px 4px 4px 4px rgb(181, 69, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.1842, 14.0800, 1.6012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 69, 0) }
```

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

```
.background{ background-color: rgb(181, 69,  
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](#).

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