

Converting Colors

XYZ(21.2417, 14.5425, 1.7975)

Have a look what the booklet for
XYZ(21.2417, 14.5425, 1.7975)
contains.

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Color

**XYZ(21.2931, 14.6096,
1.8125)**

Conversions

Conversions Part 1

Format	Color
Hex	B44A04
RGB	180, 74, 4
RGB Percent	71%, 29%, 2%
CMY	0.2941, 0.7098, 0.9843
CMYK	0.00, 0.59, 0.98, 0.29
HSL	24°, 96%, 36%
HSV	24°, 98%, 71%
XYZ	21.2931, 14.6096, 1.8125
YIQ	97.7140, 85.6460, 0.7020

Conversions

Conversions Part 2

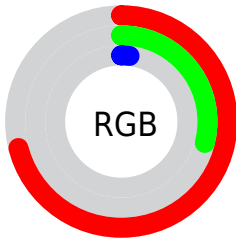
Format	Color
RYB	180, 120, 4
Decimal	11815428
CIELab	45.09, 40.33, 54.27
CIElCh	45, 67.615, 53.381
Yxy	14.6096, 0.5646, 0.3874
Android (android.graphics.Color)	4290005508 (0xFFB44A04)
YUV	97.7140, -46.2010, 72.1648
Hunter-Lab	38.2225, 32.5499, 23.9442

Details

The XYZ color **21.2931, 14.6096, 1.8125** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **13.8637, 14.4719, 45.2424**, and the grayscale version is **11.6352, 12.2411, 13.3305**.

A 20% lighter version of the original color is **45.2386, 34.3026, 8.5117**, and **7.8759, 4.4583, 0.4454** is the 20% darker color. If you saturate the color by 10%, you get **21.1136, 14.2859, 1.6446**, and if you desaturate by 10%, it is **22.2036, 16.2341, 2.7224**.

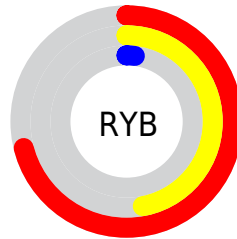
Distribution



Red (71%)

Green (29%)

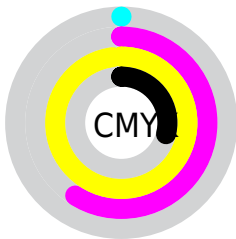
Blue (2%)



Red (71%)

Yellow (47%)

Blue (2%)

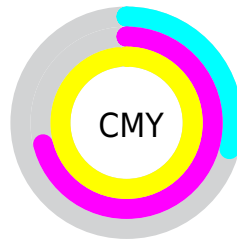


Cyan (0%)

Magenta (59%)

Yellow (98%)

Black (29%)



Cyan (29%)

Magenta (71%)

Yellow (98%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.2931, 14.6096, 1.8125 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 21.2931, 14.6096, 1.8125 by changing the saturation by 10% instead.

■ 21.2931, 14.6096,
1.8125

■ 21.2931, 14.6096,
1.8125

■ 251.5344,
220.9909, 119.3938

■ 13.4521, 8.5459,
0.4362

■ 45.0624, 34.1668,
8.5216

■ 7.8197, 4.4462,
0.0000

■ 61.7215, 48.4291,
14.7819

■ 4.0306, 1.9261,
0.0000

■ 82.0506, 66.1930,
23.5375

■ 1.7195, 0.5640,
0.0000

■ 106.4151, 87.8430,
35.2070

■ 0.4684, 0.0000,
0.0000


■ 135.1804,
113.7633, 50.2088


■ 0.0000, 0.0000,
0.0000


■ 168.7118,


144.3385, 68.9615


 207.3747,
179.9529, 91.8837


 21.2931, 14.6096,
1.8125


 21.2931, 14.6096,
1.8125


 21.1136, 14.2859,
1.6446

 22.2036, 16.2341,
2.7224

 23.3597, 18.1652,
4.2827

 24.7946, 20.4259,
6.6390

 26.5311, 23.0335,
9.8854

 28.5891, 26.0041,
14.1026

■ 30.9867, 29.3524,
19.3622

■ 33.7403, 33.0922,
25.7289

■ 36.8653, 37.2366,
33.2621

■ 40.3761, 41.7979,
42.0170

Harmonies

Analogous

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



26.1994, 14.6096, 6.5846



21.2931, 14.6096, 1.8125



15.1557, 14.6096, 0.7400

Triad

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



21.2931, 14.6096, 1.8125



5.7406, 14.6096, 12.6313



18.5779, 14.6096, 63.8449

Complementary

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



21.2931, 14.6096, 1.8125



13.8637, 14.4719, 45.2424

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.



12.6893, 14.6096, 69.8617



21.2931, 14.6096, 1.8125



6.2002, 14.6096, 31.4236

Square

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



21.2931, 14.6096, 1.8125



6.9487, 14.6096, 3.7385



8.4331, 14.6096, 55.3364



24.3616, 14.6096, 42.0685

Rectangle

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



21.2931, 14.6096, 1.8125



11.5548, 14.6096, 0.8369



8.4331, 14.6096, 55.3364



16.5114, 14.6096, 68.1924

Sweetspot

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



21.2934, 14.6104, 1.8127



60.2729, 58.7859, 44.5193



21.8202, 10.9719, 16.4533



12.5667, 12.0822, 8.5520



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.



21.2934, 14.6104, 1.8127



38.0710, 25.4781, 2.9112



31.3227, 34.6690, 5.1558



8.7645, 9.0415, 8.9358



14.7980, 10.0945, 1.1685



0.5234, 0.4333, 0.0560

Inverse Universe

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



13.8637, 14.4719, 45.2424



24.5048, 25.1093, 81.8496



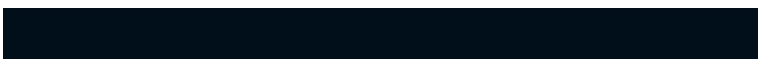
8.6260, 3.9967, 43.4965



8.4534, 9.0529, 10.8082



9.5893, 9.9790, 31.5577



0.3568, 0.4242, 1.0113

Previews

White Background



This preview shows how the XYZ color 21.2931, 14.6096, 1.8125 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 21.2931, 14.6096, 1.8125 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 21.2931, 14.6096, 1.8125

Background



This preview shows how black text looks on a background with the XYZ color 21.2931, 14.6096, 1.8125.



This preview shows how white text looks on a background with the XYZ color 21.2931, 14.6096,

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

21.2931, 14.6096, 1.8125

Protanopia

13.3569, 14.8337, 2.7315

Deuteranopia

14.9047, 14.7370, 2.0590



Tritanopia

22.6221, 14.6824, 7.9450

Trichromacy



Original Color

21.2931, 14.6096, 1.8125

Protanomaly

15.4108, 14.1456, 2.2989

Deuteranomaly

16.7815, 14.3319, 1.9106

Tritanomaly

21.8428, 14.5436, 4.4523

Monochromacy



Original Color

21.2931, 14.6096, 1.8125

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

13.3999, 12.1041, 6.4806

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2931, 14.6096, 1.8125 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(180, 74, 4)` looks like.

```
.text, #text, p{  
    color:rgb(180, 74, 4)  
}
```

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(180, 74, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 74, 4) }
```

Border

The CSS property to change the border of an element to XYZ 21.2931, 14.6096, 1.8125 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(180, 74, 4) }
```


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

```
.border{ border-color:rgb(180, 74, 4) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 74, 4)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 74, 4); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 74, 4);  
box-shadow:4px 4px 4px 4px rgb(180, 74, 4)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.2931, 14.6096, 1.8125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 74, 4) }
```

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

```
.background{ background-color: rgb(180, 74,  
4) }
```

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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