

Converting Colors

XYZ(18.8395, 13.9256, 8.0710)

Have a look what the booklet for
XYZ(18.8395, 13.9256, 8.0710)
contains.

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Color

**XYZ(18.8430, 13.9430,
8.0015)**

Conversions

Conversions Part 1

Format	Color
Hex	A15149
RGB	161, 81, 73
RGB Percent	63%, 32%, 29%
CMY	0.3686, 0.6823, 0.7137
CMYK	0.00, 0.50, 0.55, 0.37
HSL	5°, 38%, 46%
HSV	5°, 55%, 63%
XYZ	18.8430, 13.9430, 8.0015
YIQ	104.0080, 50.2480, 14.4720

Conversions

Conversions Part 2

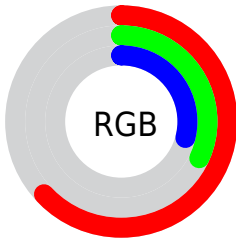
Format	Color
R_{YB}	161, 82, 73
Decimal	10572105
CIE _{Lab}	44.15, 32.27, 19.94
CIE _{LCh}	44, 37.935, 31.704
Yxy	13.9430, 0.4620, 0.3418
Android (android.graphics.Color)	4288762185 (0xFFA15149)
YUV	104.0080, -15.2869, 49.9820
Hunter-Lab	37.3403, 24.7306, 13.4332

Details

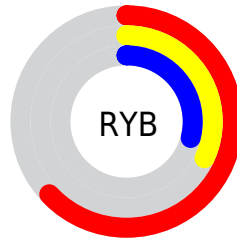
The XYZ color **18.8430, 13.9430, 8.0015** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **20.5712, 26.7707, 37.8011**, and the grayscale version is **13.1909, 13.8778, 15.1130**.

A 20% lighter version of the original color is **40.9775, 32.9677, 22.6160**, and **6.5640, 4.1250, 1.6126** is the 20% darker color. If you saturate the color by 10%, you get **17.4038, 11.8112, 5.2205**, and if you desaturate by 10%, it is **20.6555, 16.6003, 11.5890**.

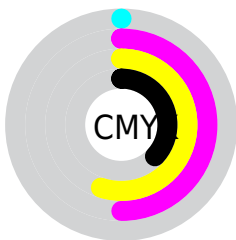
Distribution



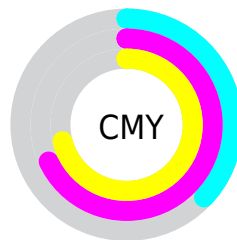
- Red (63%)
- Green (32%)
- Blue (29%)



- Red (63%)
- Yellow (32%)
- Blue (29%)



- Cyan (0%)
- Magenta (50%)
- Yellow (55%)
- Black (37%)





- Cyan (37%)
- Magenta (68%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.8430, 13.9430, 8.0015 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 18.8430, 13.9430, 8.0015 by changing the saturation by 10% instead.


 18.8430, 13.9430,
8.0015


 18.8430, 13.9430,
8.0015


238.5354,
216.8759, 185.6788


 11.6602, 8.0810,
4.0081


 40.9876, 32.9879,
22.5076


 6.5833, 4.1468,
1.6298


 56.6801, 46.9395,
33.8574


 3.2469, 1.7560,
0.3120

 75.9398, 64.3566,
48.4964

 1.2856, 0.4595,
0.0000

 99.1323, 85.6234,
66.8432

 0.1724, 0.0000,
0.0000

 126.6227,
111.1243, 89.3163

 0.0000, 0.0000,
0.0000

158.7764,

141.2438, 116.3343

195.9589,
176.3662, 148.3156

■ 18.8430, 13.9430,
8.0015

■ 18.8430, 13.9430,
8.0015

■ 17.4038, 11.8112,
5.2205

■ 20.6555, 16.6003,
11.5890

■ 16.3108, 10.1681,
3.1826

■ 22.8638, 19.8127,
16.0380

■ 15.5348, 8.9752,
1.8165

■ 25.4900, 23.6098,
21.3997

■ 15.0409, 8.1876,
1.0346

■ 28.5541, 28.0189,
27.7212

■ 14.8637, 7.9087,
0.7431

■ 32.0749, 33.0652,
35.0460

■ 36.0701, 38.7727,
43.4153

■ 40.5563, 45.1641,
52.8678

■ 45.5495, 52.2610,
63.4402

■ 51.0649, 60.0841,
75.1676

Harmonies

Analogous

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



19.9587, 13.9430, 14.6914



18.8430, 13.9430, 8.0015



16.2055, 13.9430, 4.7299

Triad

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



18.8430, 13.9430, 8.0015



8.7619, 13.9430, 8.5747



13.4262, 13.9430, 38.6643

Complementary

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



18.8430, 13.9430, 8.0015



20.5712, 26.7707, 37.8011

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.



10.6818, 13.9430, 35.0825



18.8430, 13.9430, 8.0015



8.2468, 13.9430, 15.6825

Square

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



18.8430, 13.9430, 8.0015



10.4244, 13.9430, 4.9613



8.8939, 13.9430, 25.7278



16.5506, 13.9430, 34.2234

Rectangle

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



18.8430, 13.9430, 8.0015



14.1095, 13.9430, 3.9433



8.8939, 13.9430, 25.7278



12.4307, 13.9430, 38.3539

Sweetspot

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



18.8433, 13.9437, 8.0018



50.1815, 48.8053, 47.6654



22.8855, 14.6643, 32.0507



10.7674, 10.3614, 9.9614



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



18.8433, 13.9437, 8.0018



30.6061, 20.3120, 8.2846



23.1501, 22.5572, 9.4373



7.1232, 7.1848, 7.3915



11.8856, 6.3451, 0.5983



0.2643, 0.1624, 0.0174

Inverse Universe

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



20.5712, 26.7707, 37.8011



33.9900, 45.6787, 67.4119



14.7208, 15.0699, 35.8510



7.2208, 7.9006, 9.0475



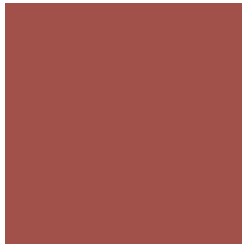
13.4067, 18.5927, 29.8119



0.2966, 0.4205, 0.6314

Previews

White Background



This preview shows how the XYZ color 18.8430, 13.9430, 8.0015 looks on a white background.

Color Contrast Check

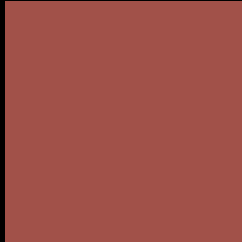
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.8430, 13.9430, 8.0015 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 18.8430, 13.9430, 8.0015

Background



This preview shows how black text looks on a background with the XYZ color 18.8430, 13.9430, 8.0015.



This preview shows how white text looks on a background with the XYZ color 18.8430, 13.9430,

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

18.8430, 13.9430, 8.0015

Protanopia

13.2950, 14.1724, 10.2184

Deuteranopia

14.2668, 13.9922, 7.7432



Tritanopia

19.3360, 13.9292, 10.2638

Trichromacy



Original Color

18.8430, 13.9430, 8.0015

Protanomaly

14.8001, 13.6761, 9.2568

Deuteranomaly

15.6991, 13.7726, 7.7922

Tritanomaly

19.2542, 14.0128, 9.4745

Monochromacy



Original Color

18.8430, 13.9430, 8.0015

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

14.6161, 13.5160, 12.1944

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8430, 13.9430, 8.0015 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(161, 81, 73)` looks like.

```
.text, #text, p{  
    color:rgb(161, 81, 73)  
}
```

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(161, 81, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 81, 73) }
```

Border

The CSS property to change the border of an element to XYZ 18.8430, 13.9430, 8.0015 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(161, 81, 73) }
```


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

```
.border{ border-color:rgb(161, 81, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 81, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 81, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 81, 73);  
box-shadow:4px 4px 4px 4px rgb(161, 81,  
73) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8430, 13.9430, 8.0015 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 81, 73) }
```

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

```
.background{ background-color: rgb(161, 81,  
73) }
```

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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