

Converting Colors

XYZ(18.3695, 12.8859, 8.3022)

Have a look what the booklet for
XYZ(18.3695, 12.8859, 8.3022)
contains.

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Color

**XYZ(18.3850, 12.8640,
8.3515)**

Conversions

Conversions Part 1

Format	Color
Hex	A1494C
RGB	161, 73, 76
RGB Percent	63%, 29%, 30%
CMY	0.3686, 0.7137, 0.7020
CMYK	0.00, 0.55, 0.53, 0.37
HSL	358°, 38%, 46%
HSV	358°, 55%, 63%
XYZ	18.3850, 12.8640, 8.3515
YIQ	99.6540, 51.4850, 19.5890

Conversions

Conversions Part 2

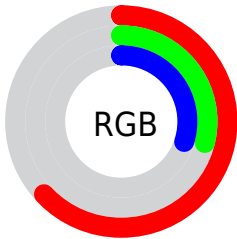
Format	Color
R_{YB}	161, 73, 76
Decimal	10570060
CIE _{Lab}	42.56, 36.76, 15.99
CIE _{LCh}	43, 40.086, 23.501
Yxy	12.8640, 0.4643, 0.3248
Android (android.graphics.Color)	4288760140 (0xFFA1494C)
YUV	99.6540, -11.6614, 53.8004
Hunter-Lab	35.8664, 28.7322, 11.3008

Details

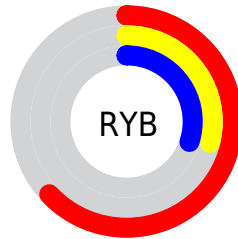
The XYZ color **18.3850, 12.8640, 8.3515** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **21.6649, 29.3751, 36.8780**, and the grayscale version is **12.0451, 12.6724, 13.8002**.

A 20% lighter version of the original color is **40.1227, 30.9560, 23.2624**, and **6.3733, 3.6814, 1.7412** is the 20% darker color. If you saturate the color by 10%, you get **16.9839, 10.8250, 5.5317**, and if you desaturate by 10%, it is **20.1913, 15.5043, 11.9514**.

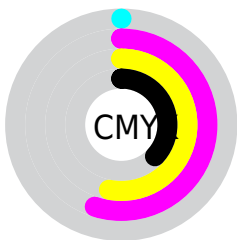
Distribution



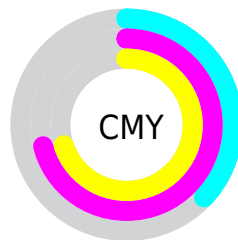
- Red (63%)
- Green (29%)
- Blue (30%)



- Red (63%)
- Yellow (29%)
- Blue (30%)



- Cyan (0%)
- Magenta (55%)
- Yellow (53%)
- Black (37%)





- Cyan (37%)
- Magenta (71%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.3850, 12.8640, 8.3515 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 18.3850, 12.8640, 8.3515 by changing the saturation by 10% instead.


 18.3850, 12.8640,
8.3515


 18.3850, 12.8640,
8.3515


236.0361,
210.0442, 188.4999


 11.3281, 7.3350,
4.2297


 40.2172, 31.0592,
23.2021


 6.3569, 3.6725,
1.7522


 55.7233, 44.4942,
34.7681


 3.1060, 1.4921,
0.3961

 74.7764, 61.3333,
49.6524

 1.2101, 0.2831,
0.0000

 97.7420, 81.9609,
68.2738

 0.1143, 0.0000,
0.0000

 124.9854,
106.7614, 91.0507

 0.0000, 0.0000,
0.0000

156.8720,

136.1192, 118.4016

193.7671,
170.4187, 150.7452

■ 18.3850, 12.8640,
8.3515

■ 18.3850, 12.8640,
8.3515

■ 16.9839, 10.8250,
5.5317

■ 20.1913, 15.5043,
11.9514

■ 15.9558, 9.3382,
3.4337

■ 22.4298, 18.7859,
16.3827

■ 15.2653, 8.3502,
1.9921

■ 25.1261, 22.7477,
21.6929

■ 14.8691, 7.7950,
1.1290

■ 28.3039, 27.4249,
27.9258

■ 14.7279, 7.5890,
0.8459

■ 31.9848, 32.8505,
35.1224

■ 36.1896, 39.0551,
43.3212

■ 40.9375, 46.0679,
52.5584

■ 46.2469, 53.9165,
62.8687

■ 52.1354, 62.6270,
74.2849

Harmonies

Analogous

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



18.9763, 12.8640, 15.9812



18.3850, 12.8640, 8.3515



16.0295, 12.8640, 4.4203

Triad

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



18.3850, 12.8640, 8.3515



8.1163, 12.8640, 6.2422



11.5793, 12.8640, 37.9826

Complementary

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



18.3850, 12.8640, 8.3515



21.6649, 29.3751, 36.8780

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.



9.0788, 12.8640, 32.1544



18.3850, 12.8640, 8.3515



7.3041, 12.8640, 12.2020

Square

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



18.3850, 12.8640, 8.3515



10.0478, 12.8640, 3.6015



7.6248, 12.8640, 21.7686



14.7001, 12.8640, 35.5537

Rectangle

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



18.3850, 12.8640, 8.3515



13.9570, 12.8640, 3.3270



7.6248, 12.8640, 21.7686



10.6459, 12.8640, 36.8664

Sweetspot

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



18.3853, 12.8647, 8.3517



49.6926, 47.6468, 48.0592



22.6426, 14.4670, 35.3170



10.6509, 10.0853, 10.0551



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.



18.3853, 12.8647, 8.3517



29.8793, 18.6072, 8.8162



21.7616, 19.7800, 8.9753



7.0831, 7.0897, 7.4239



11.7659, 6.0624, 0.6921



0.2500, 0.1285, 0.0291

Inverse Universe

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



18.3853, 12.8647, 8.3517



29.8793, 18.6072, 8.8162



16.0675, 17.7626, 36.2997



7.0831, 7.0897, 7.4239



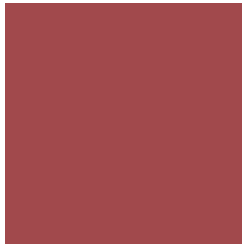
11.7659, 6.0624, 0.6921



0.2500, 0.1285, 0.0291

Previews

White Background



This preview shows how the XYZ color 18.3850, 12.8640, 8.3515 looks on a white background.

Color Contrast Check

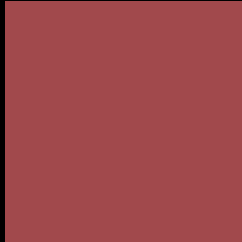
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.3850, 12.8640, 8.3515 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 18.3850, 12.8640, 8.3515

Background



This preview shows how black text looks on a background with the XYZ color 18.3850, 12.8640, 8.3515.



This preview shows how white text looks on a background with the XYZ color 18.3850, 12.8640,

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

18.3850, 12.8640, 8.3515

Protanopia

12.4007, 13.0928, 11.3248

Deuteranopia

13.1901, 13.0103, 7.9469



Tritanopia

18.4556, 12.8922, 8.7235

Trichromacy



Original Color

18.3850, 12.8640, 8.3515

Protanomaly

13.9455, 12.5579, 10.0764

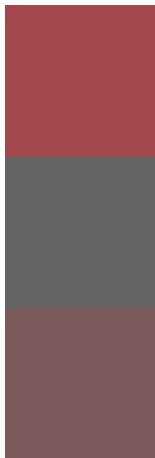
Deuteranomaly

14.6840, 12.6114, 7.9636

Tritanomaly

18.4200, 12.8780, 8.5360

Monochromacy



Original Color

18.3850, 12.8640, 8.3515

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

13.5705, 12.2052, 11.5381

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3850, 12.8640, 8.3515 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, 73, 76)` looks like.

```
.text, #text, p{  
    color:rgb(161, 73, 76)  
}
```

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, 73, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 73, 76) }
```

Border

The CSS property to change the border of an element to XYZ 18.3850, 12.8640, 8.3515 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, 73, 76) }
```


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

```
.border{ border-color:rgb(161, 73, 76) }
```

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

Here you see how a box with a 4 pixel rgb(161, 73, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 73, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 73, 76);  
box-shadow:4px 4px 4px 4px rgb(161, 73,  
76) }
```

Background

The CSS property to change the background color of an element to XYZ 18.3850, 12.8640, 8.3515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 73, 76) }
```

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

```
.background{ background-color: rgb(161, 73,  
76) }
```

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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