

Converting Colors

XYZ(20.1124, 13.8382, 8.6134)

Have a look what the booklet for
XYZ(20.1124, 13.8382, 8.6134)
contains.

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Color

**XYZ(20.1505, 13.8684,
8.6360)**

Conversions

Conversions Part 1

Format	Color
Hex	A94A4D
RGB	169, 74, 77
RGB Percent	66%, 29%, 30%
CMY	0.3373, 0.7098, 0.6980
CMYK	0.00, 0.56, 0.54, 0.34
HSL	358°, 39%, 48%
HSV	358°, 56%, 66%
XYZ	20.1505, 13.8684, 8.6360
YIQ	102.7470, 55.6570, 21.0730

Conversions

Conversions Part 2

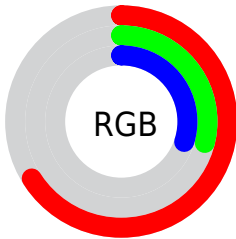
Format	Color
RYB	169, 74, 77
Decimal	11094605
CIELab	44.04, 39.33, 17.59
CIELCh	44, 43.086, 24.099
Yxy	13.8684, 0.4724, 0.3251
Android (android.graphics.Color)	4289284685 (0xFFA94A4D)
YUV	102.7470, -12.6933, 58.1039
Hunter-Lab	37.2403, 31.4147, 12.3189

Details

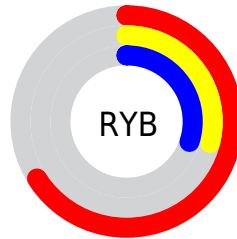
The XYZ color **20.1505, 13.8684, 8.6360** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **23.8958, 32.5852, 41.1089**, and the grayscale version is **12.8479, 13.5170, 14.7201**.

A 20% lighter version of the original color is **43.2217, 32.9220, 23.8152**, and **7.2435, 4.1284, 1.8539** is the 20% darker color. If you saturate the color by 10%, you get **18.6629, 11.7047, 5.6389**, and if you desaturate by 10%, it is **22.0873, 16.6979, 12.5004**.

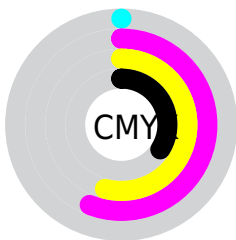
Distribution



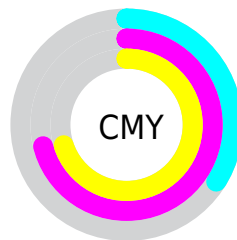
- Red (66%)
- Green (29%)
- Blue (30%)



- Red (66%)
- Yellow (29%)
- Blue (30%)



- Cyan (0%)
- Magenta (56%)
- Yellow (54%)
- Black (34%)





- Cyan (34%)
- Magenta (71%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.1505, 13.8684, 8.6360 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 20.1505, 13.8684, 8.6360 by changing the saturation by 10% instead.


 20.1505, 13.8684,
8.6360


 20.1505, 13.8684,
8.6360


245.5468,
216.4106, 190.7558


 12.6134, 8.0292,
4.4110


 43.1714, 32.8553,
23.7626


 7.2380, 4.1136,
1.8534


 59.3859, 46.7719,
35.5012


 3.6591, 1.7373,
0.4628

 79.2235, 64.1496,
50.5814

 1.5111, 0.4477,
0.0000

 103.0497, 85.3730,
69.4218

 0.3334, 0.0000,
0.0000

 131.2298,
110.8264, 92.4409

 0.0000, 0.0000,
0.0000

164.1290,

140.8942, 120.0572

202.1129,
175.9608, 152.6893

■ 20.1505, 13.8684,
8.6360

■ 20.1505, 13.8684,
8.6360

■ 18.6629, 11.7047,
5.6389

■ 22.0873, 16.6979,
12.5004

■ 17.5875, 10.1503,
3.4414

■ 24.5043, 20.2392,
17.2914

■ 16.8830, 9.1433,
1.9673

■ 27.4310, 24.5368,
23.0636

■ 16.4952, 8.5994,
1.1235

■ 30.8943, 29.6310,
29.8674

■ 16.3913, 8.4466,
0.9194

■ 34.9192, 35.5591,
37.7497

■ 39.5290, 42.3562,
46.7546

■ 44.7458, 50.0554,
56.9235

■ 50.5906, 58.6878,
68.2960

■ 57.0831, 68.2835,
80.9097

Harmonies

Analogous

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



20.8742, 13.8684, 17.1227



20.1505, 13.8684, 8.6360



17.4309, 13.8684, 4.3981

Triad

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



20.1505, 13.8684, 8.6360



8.5356, 13.8684, 6.5233



12.5162, 13.8684, 42.6900

Complementary

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



20.1505, 13.8684, 8.6360



23.8958, 32.5852, 41.1089

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.



9.6858, 13.8684, 36.1003



20.1505, 13.8684, 8.6360



7.6576, 13.8684, 13.2438

Square

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



20.1505, 13.8684, 8.6360



10.6720, 13.8684, 3.6002



8.0390, 13.8684, 24.1813



16.0565, 13.8684, 39.6778

Rectangle

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



20.1505, 13.8684, 8.6360



15.0686, 13.8684, 3.2572



8.0390, 13.8684, 24.1813



11.4589, 13.8684, 41.4594

Sweetspot

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



20.1508, 13.8691, 8.6362



54.6031, 51.9973, 52.0644



25.3015, 15.8519, 39.2621



11.6323, 10.9376, 10.8202



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



20.1508, 13.8691, 8.6362



32.9846, 20.3251, 9.2060



24.1164, 21.9657, 9.4483



7.5403, 7.5460, 7.8966



12.2202, 6.2968, 0.7052



0.3002, 0.1544, 0.0324

Inverse Universe

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



20.1508, 13.8691, 8.6362



32.9846, 20.3251, 9.2060



17.2777, 18.9042, 40.2742



7.5403, 7.5460, 7.8966



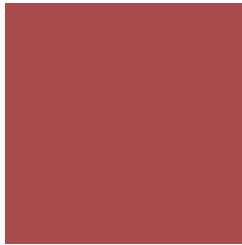
12.2202, 6.2968, 0.7052



0.3002, 0.1544, 0.0324

Previews

White Background



This preview shows how the XYZ color 20.1505, 13.8684, 8.6360 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 20.1505, 13.8684, 8.6360 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

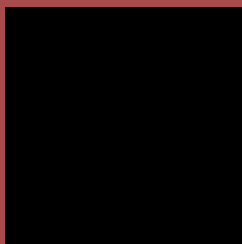
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.1505, 13.8684, 8.6360

Background



This preview shows how black text looks on a background with the XYZ color 20.1505, 13.8684, 8.6360.

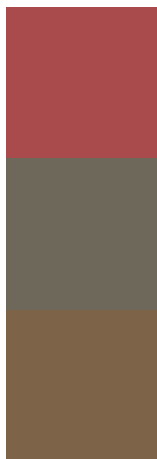


This preview shows how white text looks on a background with the XYZ color 20.1505, 13.8684,

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

20.1505, 13.8684, 8.6360

Protanopia

13.2690, 13.9710, 11.8948

Deuteranopia

14.2172, 13.9554, 8.2477



Tritanopia

20.2222, 13.8971, 9.0137

Trichromacy



Original Color

20.1505, 13.8684, 8.6360

Protanomaly

14.9541, 13.3259, 10.5881

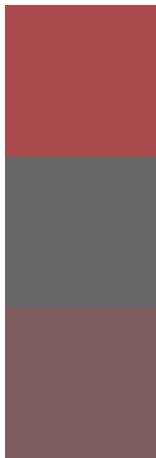
Deuteranomaly

15.9616, 13.6393, 8.2699

Tritanomaly

20.1861, 13.8826, 8.8234

Monochromacy



Original Color

20.1505, 13.8684, 8.6360

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

14.5999, 12.9745, 12.3245

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1505, 13.8684, 8.6360 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(169, 74, 77)` looks like.

```
.text, #text, p{  
    color:rgb(169, 74, 77)  
}
```

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(169, 74, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 74, 77) }
```

Border

The CSS property to change the border of an element to XYZ 20.1505, 13.8684, 8.6360 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(169, 74, 77) }
```


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

```
.border{ border-color:rgb(169, 74, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 74, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 74, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 74, 77);  
box-shadow:4px 4px 4px 4px rgb(169, 74,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1505, 13.8684, 8.6360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 74, 77) }
```

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

```
.background{ background-color: rgb(169, 74,  
77) }
```

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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