

Converting Colors

XYZ(20.4890, 15.8140, 9.9552)

Have a look what the booklet for
XYZ(20.4890, 15.8140, 9.9552)
contains.

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Color

**XYZ(20.4890, 15.8140,
9.9552)**

Conversions

Conversions Part 1

Format	Color
Hex	A45A52
RGB	164, 90, 82
RGB Percent	64%, 35%, 32%
CMY	0.3569, 0.6470, 0.6784
CMYK	0.00, 0.45, 0.50, 0.36
HSL	6°, 33%, 48%
HSV	6°, 50%, 64%
XYZ	20.4890, 15.8140, 9.9552
YIQ	111.2140, 46.6720, 13.2000

Conversions

Conversions Part 2

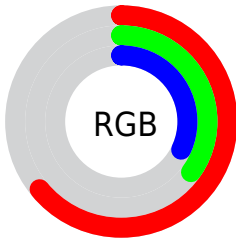
Format	Color
RYB	164, 91, 82
Decimal	10771026
CIELab	46.73, 29.41, 18.05
CIELCh	47, 34.512, 31.541
Yxy	15.8140, 0.4429, 0.3419
Android (android.graphics.Color)	4288961106 (0xFFA45A52)
YUV	111.2140, -14.4025, 46.2933
Hunter-Lab	39.7668, 22.3764, 12.9942

Details

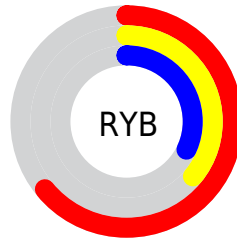
The XYZ color **20.4890, 15.8140, 9.9552** is a dark color, and the websafe version is hex **996666**, and the color name is **redwood**. A complement of this color would be **22.0684, 28.2499, 39.4116**, and the grayscale version is **15.2030, 15.9948, 17.4183**.

A 20% lighter version of the original color is **43.7458, 36.2180, 26.1579**, and **7.4686, 5.0407, 2.3296** is the 20% darker color. If you saturate the color by 10%, you get **18.8115, 13.3412, 6.6764**, and if you desaturate by 10%, it is **22.5650, 18.8452, 14.1030**.

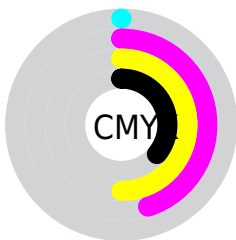
Distribution



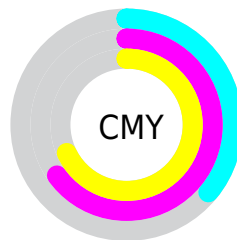
- Red (64%)
- Green (35%)
- Blue (32%)



- Red (64%)
- Yellow (36%)
- Blue (32%)



- Cyan (0%)
- Magenta (45%)
- Yellow (50%)
- Black (36%)





- Cyan (36%)
- Magenta (65%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.4890, 15.8140, 9.9552 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 20.4890, 15.8140, 9.9552 by changing the saturation by 10% instead.


 20.4890, 15.8140,
9.9552


 20.4890, 15.8140,
9.9552


247.3336,
228.2417, 200.8252


 12.8613, 9.3926,
5.2640


 43.7332, 36.2750,
26.3177


 7.4095, 4.9982,
2.3416


 60.0805, 51.0834,
38.8261


 3.7681, 2.2462,
0.7544

 80.0650, 69.4563,
54.7774

 1.5718, 0.7450,
0.0000

 104.0521, 91.7781,
74.5900

 0.3739, 0.0000,
0.0000

 132.4072,
118.4331, 98.6826

 0.0000, 0.0000,
0.0000

165.4956,

149.8058, 127.4736

203.6826,
186.2805, 161.3816

■ 20.4890, 15.8140,
9.9552

■ 20.4890, 15.8140,
9.9552

■ 18.8115, 13.3412,
6.6764

■ 22.5650, 18.8452,
14.1030

■ 17.5057, 11.3904,
4.2039

■ 25.0617, 22.4634,
19.1746

■ 16.5433, 9.9246,
2.4680

■ 28.0010, 26.6983,
25.2217

■ 15.8913, 8.9011,
1.3866

■ 31.4029, 31.5767,
32.2915

■ 15.4952, 8.2633,
0.7783

■ 35.2863, 37.1241,
40.4283

■ 15.4952, 8.2633,
0.7783

■ 39.6690, 43.3643,
49.6738

■ 44.5678, 50.3201,
60.0676

■ 49.9988, 58.0132,
71.6470

■ 55.9773, 66.4644,
84.4480

Harmonies

Analogous

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



21.5496, 15.8140, 16.7791



20.4890, 15.8140, 9.9552



17.9436, 15.8140, 6.4123

Triad

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



20.4890, 15.8140, 9.9552



10.5172, 15.8140, 10.4978



15.1861, 15.8140, 39.5115

Complementary

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



20.4890, 15.8140, 9.9552



22.0684, 28.2499, 39.4116

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.



12.4515, 15.8140, 36.1564



20.4890, 15.8140, 9.9552



9.9801, 15.8140, 17.6660

Square

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



20.4890, 15.8140, 9.9552



12.2164, 15.8140, 6.6446



10.6397, 15.8140, 27.3611



18.2471, 15.8140, 35.4341

Rectangle

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



20.4890, 15.8140, 9.9552



15.8933, 15.8140, 5.5191



10.6397, 15.8140, 27.3611



14.1999, 15.8140, 39.2108

Sweetspot

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



20.4894, 15.8148, 9.9555



53.6328, 52.4908, 51.5989



24.4272, 16.3673, 33.8447



11.4607, 11.0961, 10.7316



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



20.4894, 15.8148, 9.9555



33.8455, 23.7704, 11.5409



24.7934, 24.4228, 11.3902



7.1268, 7.1920, 7.3927



11.8984, 6.3707, 0.6026



0.2656, 0.1650, 0.0178

Inverse Universe

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



22.0684, 28.2499, 39.4116



37.0113, 48.9082, 71.2419



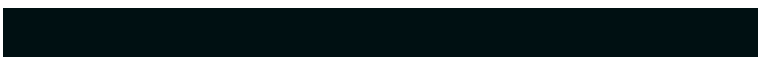
16.4453, 17.0036, 37.5372



7.2168, 7.8925, 9.0461



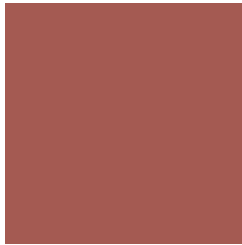
13.2761, 18.3316, 29.7684



0.2948, 0.4170, 0.6308

Previews

White Background



This preview shows how the XYZ color 20.4890, 15.8140, 9.9552 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 20.4890, 15.8140, 9.9552 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 20.4890, 15.8140, 9.9552

Background



This preview shows how black text looks on a background with the XYZ color 20.4890, 15.8140, 9.9552.



This preview shows how white text looks on a background with the XYZ color 20.4890, 15.8140,

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

20.4890, 15.8140, 9.9552

Protanopia

15.0874, 15.9931, 12.4170

Deuteranopia

16.1847, 15.9854, 9.6296



Tritanopia

21.0723, 15.8050, 12.7665

Trichromacy



Original Color

20.4890, 15.8140, 9.9552

Protanomaly

16.6034, 15.5560, 11.3600

Deuteranomaly

17.6032, 15.8158, 9.7144

Tritanomaly

20.9349, 15.8823, 11.6351

Monochromacy



Original Color

20.4890, 15.8140, 9.9552

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

16.3564, 15.3664, 14.1605

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4890, 15.8140, 9.9552 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(164, 90, 82)` looks like.

```
.text, #text, p{  
    color:rgb(164, 90, 82)  
}
```

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(164, 90, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 90, 82) }
```

Border

The CSS property to change the border of an element to XYZ 20.4890, 15.8140, 9.9552 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(164, 90, 82) }
```


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

```
.border{ border-color:rgb(164, 90, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 90, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 90, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 90, 82);  
box-shadow:4px 4px 4px 4px rgb(164, 90,  
82) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4890, 15.8140, 9.9552 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 90, 82) }
```

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

```
.background{ background-color: rgb(164, 90,  
82) }
```

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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