

Converting Colors

XYZ(20.8810, 18.3792, 9.7256)

Have a look what the booklet for
XYZ(20.8810, 18.3792, 9.7256)
contains.

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Color

**XYZ(20.9309, 18.4364,
9.6631)**

Conversions

Conversions Part 1

Format	Color
Hex	9F6B4E
RGB	159, 107, 78
RGB Percent	62%, 42%, 31%
CMY	0.3765, 0.5804, 0.6941
CMYK	0.00, 0.33, 0.51, 0.38
HSL	21°, 34%, 46%
HSV	21°, 51%, 62%
XYZ	20.9309, 18.4364, 9.6631
YIQ	119.2420, 40.3010, 2.0050

Conversions

Conversions Part 2

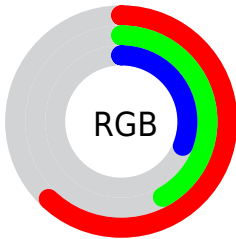
Format	Color
R_{YB}	159, 123, 78
Decimal	10447694
CIE _{Lab}	50.02, 17.37, 24.62
CIE _{LCh}	50, 30.127, 54.803
Yxy	18.4364, 0.4269, 0.3760
Android (android.graphics.Color)	4288637774 (0xFF9F6B4E)
YUV	119.2420, -20.3323, 34.8678
Hunter-Lab	42.9376, 11.8729, 16.7131

Details

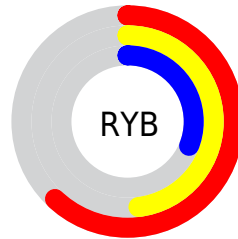
The XYZ color **20.9309, 18.4364, 9.6631** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **17.3820, 20.0871, 35.7618**, and the grayscale version is **17.6652, 18.5852, 20.2392**.

A 20% lighter version of the original color is **44.5478, 40.9275, 25.6305**, and **7.6642, 6.2410, 2.2395** is the 20% darker color. If you saturate the color by 10%, you get **19.4263, 16.2319, 6.6812**, and if you desaturate by 10%, it is **22.6999, 20.9491, 13.4135**.

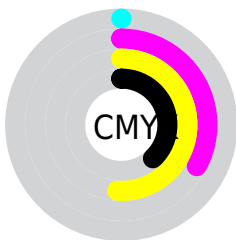
Distribution



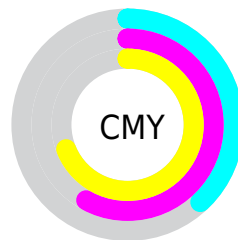
- Red (62%)
- Green (42%)
- Blue (31%)



- Red (62%)
- Yellow (48%)
- Blue (31%)



- Cyan (0%)
- Magenta (33%)
- Yellow (51%)
- Black (38%)



- Cyan (38%)
- Magenta (58%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9309, 18.4364, 9.6631 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 20.9309, 18.4364, 9.6631 by changing the saturation by 10% instead.

■ 20.9309, 18.4364,
9.6631

■ 20.9309, 18.4364,
9.6631

249.6497,
243.3194, 198.6470

■ 13.1857, 11.2638,
5.0735

■ 44.4646, 40.7795,
25.7577

■ 7.6344, 6.2445,
2.2310

■ 60.9839, 56.7188,
38.0998

■ 3.9117, 2.9943,
0.6921

■ 81.1585, 76.3491,
53.8631

■ 1.6523, 1.1288,
0.0000

■ 105.3538,
100.0548, 73.4662

■ 0.4261, 0.0023,
0.0000

■ 133.9353,
128.2203, 97.3275

■ 0.0000, 0.0000,
0.0000

167.2682,

161.2300, 125.8658

205.7179,
199.4682, 159.4994

■ 20.9309, 18.4364,
9.6631

■ 20.9309, 18.4364,
9.6631

■ 19.4263, 16.2319,
6.6812

■ 22.6999, 20.9491,
13.4135

■ 18.1703, 14.3202,
4.4120

■ 24.7451, 23.7792,
17.9807

■ 17.1472, 12.6883,
2.7939

■ 27.0793, 26.9389,
23.4101

■ 16.3387, 11.3210,
1.7539

■ 29.7139, 30.4387,
29.7435

■ 15.7579, 10.2906,
1.1558

■ 32.6599, 34.2888,
37.0199

■ 35.9274, 38.4990,
45.2762

■ 39.5262, 43.0785,
54.5471

■ 43.4656, 48.0362,
64.8657

■ 47.7546, 53.3809,
76.2635

Harmonies

Analogous

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



23.0764, 18.4364, 14.1027



20.9309, 18.4364, 9.6631



18.0323, 18.4364, 8.0169

Triad

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



20.9309, 18.4364, 9.6631



12.5445, 18.4364, 18.6646



19.9631, 18.4364, 38.2976

Complementary

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



20.9309, 18.4364, 9.6631



17.3820, 20.0871, 35.7618

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.



17.0239, 18.4364, 40.4993



20.9309, 18.4364, 9.6631



12.9411, 18.4364, 27.5303

Square

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



20.9309, 18.4364, 9.6631



13.3574, 18.4364, 12.2172



14.5071, 18.4364, 36.1192



22.4760, 18.4364, 30.7342

Rectangle

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



20.9309, 18.4364, 9.6631



16.1394, 18.4364, 8.2709



14.5071, 18.4364, 36.1192



18.9840, 18.4364, 39.7638

Sweetspot

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



20.9314, 18.4373, 9.6635



51.0989, 51.7154, 48.1392



21.0955, 14.4490, 23.0257



11.3098, 11.3796, 10.3478



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.



20.9314, 18.4373, 9.6635



34.4939, 28.6257, 11.4046



26.0836, 28.7417, 11.3809



6.8178, 7.0155, 6.9805



12.4828, 8.2011, 0.9251



0.2614, 0.2230, 0.0293

Inverse Universe

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



17.3820, 20.0871, 35.7618



27.3837, 31.8544, 63.4487



13.0688, 11.4607, 34.3240



6.6219, 7.1095, 8.4299



8.7411, 9.5738, 27.2945



0.1950, 0.2486, 0.5009

Previews

White Background



This preview shows how the XYZ color 20.9309, 18.4364, 9.6631 looks on a white background.

Color Contrast Check

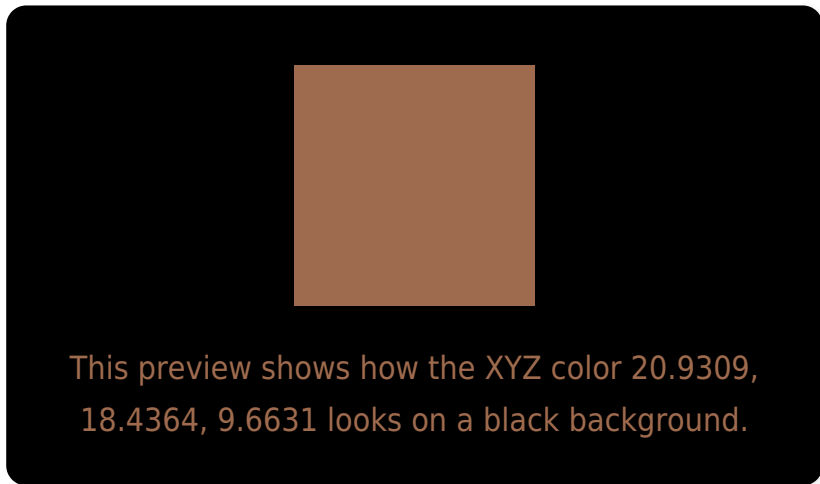
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

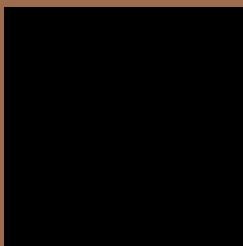
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.9309, 18.4364, 9.6631

Background



This preview shows how black text looks on a background with the XYZ color 20.9309, 18.4364, 9.6631.



This preview shows how white text looks on a background with the XYZ color 20.9309, 18.4364,

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

20.9309, 18.4364, 9.6631

Protanopia

17.2114, 18.4853, 10.8445

Deuteranopia

18.8585, 18.4997, 9.5980



Tritanopia

22.5650, 18.5077, 17.1349

Trichromacy



Original Color

20.9309, 18.4364, 9.6631

Protanomaly

18.4312, 18.4310, 10.3707

Deuteranomaly

19.4184, 18.2943, 9.5289

Tritanomaly

21.8529, 18.3595, 13.9472

Monochromacy



Original Color

20.9309, 18.4364, 9.6631

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

18.4609, 18.3293, 15.6616

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9309, 18.4364, 9.6631 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(159, 107, 78)` looks like.

```
.text, #text, p{  
    color:rgb(159, 107, 78)  
}
```

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(159, 107, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 107, 78) }
```

Border

The CSS property to change the border of an element to XYZ 20.9309, 18.4364, 9.6631 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(159, 107, 78) }
```


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

```
.border{ border-color:rgb(159, 107, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 107, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 107, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 107, 78);  
box-shadow:4px 4px 4px 4px rgb(159, 107,  
78) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9309, 18.4364, 9.6631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 107, 78) }
```

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

```
.background{ background-color: rgb(159,  
107, 78) }
```

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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