

Converting Colors

XYZ(20.2260, 14.4976, 7.7278)

Have a look what the booklet for
XYZ(20.2260, 14.4976, 7.7278)
contains.

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Color

**XYZ(20.0818, 14.3717,
7.6768)**

Conversions

Conversions Part 1

Format	Color
Hex	A84F47
RGB	168, 79, 71
RGB Percent	66%, 31%, 28%
CMY	0.3412, 0.6902, 0.7216
CMYK	0.00, 0.53, 0.58, 0.34
HSL	5°, 41%, 47%
HSV	5°, 58%, 66%
XYZ	20.0818, 14.3717, 7.6768
YIQ	104.6990, 55.6120, 16.3800

Conversions

Conversions Part 2

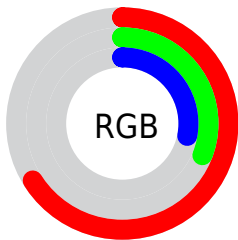
Format	Color
RYB	168, 80, 71
Decimal	11030343
CIELab	44.76, 35.90, 22.14
CIELCh	45, 42.175, 31.661
Yxy	14.3717, 0.4767, 0.3411
Android (android.graphics.Color)	4289220423 (0xFFA84F47)
YUV	104.6990, -16.6136, 55.5150
Hunter-Lab	37.9100, 28.2130, 14.5308

Details

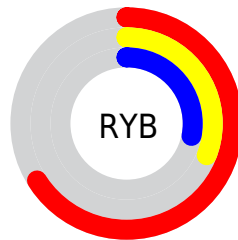
The XYZ color **20.0818, 14.3717, 7.6768** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **22.2365, 29.3068, 41.5306**, and the grayscale version is **13.3792, 14.0760, 15.3287**.

A 20% lighter version of the original color is **43.0514, 33.6522, 21.9958**, and **7.1927, 4.3374, 1.4950** is the 20% darker color. If you saturate the color by 10%, you get **18.6295, 12.2139, 4.8904**, and if you desaturate by 10%, it is **21.9417, 17.1062, 11.3346**.

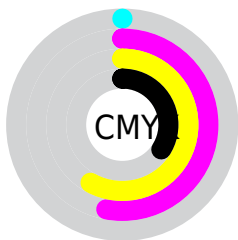
Distribution



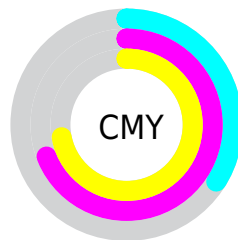
- Red (66%)
- Green (31%)
- Blue (28%)



- Red (66%)
- Yellow (31%)
- Blue (28%)



- Cyan (0%)
- Magenta (53%)
- Yellow (58%)
- Black (34%)



- Cyan (34%)
- Magenta (69%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0818, 14.3717, 7.6768 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 20.0818, 14.3717, 7.6768 by changing the saturation by 10% instead.

■ 20.0818, 14.3717,
7.6768

■ 20.0818, 14.3717,
7.6768

245.1827,
219.5311, 183.0135

■ 12.5631, 8.3796,
3.8041

■ 43.0572, 33.7471,
21.8580

■ 7.2033, 4.3388,
1.5185

■ 59.2446, 47.8993,
33.0035

■ 3.6370, 1.8648,
0.2316

■ 79.0523, 65.5402,
47.4103

■ 1.4989, 0.5271,
0.0000

■ 102.8457, 87.0544,
65.4970

■ 0.3251, 0.0000,
0.0000

■ 130.9900,
112.8262, 87.6822

■ 0.0000, 0.0000,
0.0000

163.8508,

143.2399, 114.3843

201.7932,
178.6801, 146.0218

■ 20.0818, 14.3717,
7.6768

■ 20.0818, 14.3717,
7.6768

■ 18.6295, 12.2139,
4.8904

■ 21.9417, 17.1062,
11.3346

■ 17.5529, 10.5894,
2.9022

■ 24.2356, 20.4523,
15.9275

■ 16.8175, 9.4522,
1.6283

■ 26.9891, 24.4448,
21.5141

■ 16.3752, 8.7450,
0.9340

■ 30.2252, 29.1152,
28.1477

■ 16.3037, 8.6352,
0.8075

■ 33.9657, 34.4930,
35.8782

■ 38.2308, 40.6059,
44.7521

■ 43.0397, 47.4801,
54.8133

■ 48.4107, 55.1407,
66.1032

■ 54.3611, 63.6113,
78.6614

Harmonies

Analogous

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



21.3749, 14.3717, 15.1068



20.0818, 14.3717, 7.6768



17.0379, 14.3717, 4.2120

Triad

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



20.0818, 14.3717, 7.6768



8.6360, 14.3717, 8.2824



13.8521, 14.3717, 43.1614

Complementary

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



20.0818, 14.3717, 7.6768



22.2365, 29.3068, 41.5306

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.



10.7608, 14.3717, 38.8729



20.0818, 14.3717, 7.6768



8.0684, 14.3717, 16.2027

Square

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



20.0818, 14.3717, 7.6768



10.4806, 14.3717, 4.4446



8.7777, 14.3717, 27.8124



17.4247, 14.3717, 37.8764

Rectangle

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



20.0818, 14.3717, 7.6768



14.6394, 14.3717, 3.4084



8.7777, 14.3717, 27.8124



12.7250, 14.3717, 42.7851

Sweetspot

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



20.0821, 14.3725, 7.6771



55.1182, 53.2227, 51.6342



24.8819, 15.4235, 35.6310



11.7534, 11.2258, 10.7191



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.



20.0821, 14.3725, 7.6771



33.2498, 21.3302, 7.8308



24.7424, 23.6930, 9.2305



7.5790, 7.6381, 7.8641



12.3286, 6.5545, 0.6154



0.3150, 0.1895, 0.0200

Inverse Universe

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



22.2365, 29.3068, 41.5306



37.4760, 50.8938, 75.0734



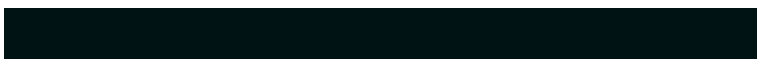
15.5753, 15.9845, 39.3102



7.6938, 8.4246, 9.6389



14.0987, 19.6575, 31.0267



0.3580, 0.5082, 0.7599

Previews

White Background



This preview shows how the XYZ color 20.0818, 14.3717, 7.6768 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



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 20.0818, 14.3717, 7.6768

Background



This preview shows how black text looks on a background with the XYZ color 20.0818, 14.3717, 7.6768.



This preview shows how white text looks on a background with the XYZ color 20.0818, 14.3717,

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

20.0818, 14.3717, 7.6768

Protanopia

13.6548, 14.5100, 10.2646

Deuteranopia

14.8178, 14.5751, 7.3425



Tritanopia

20.5774, 14.3673, 9.8722

Trichromacy



Original Color

20.0818, 14.3717, 7.6768

Protanomaly

15.4257, 13.9986, 9.2861

Deuteranomaly

16.3738, 14.2624, 7.3588

Tritanomaly

20.4979, 14.4483, 9.1056

Monochromacy



Original Color

20.0818, 14.3717, 7.6768

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

15.0607, 13.7452, 12.2152

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0818, 14.3717, 7.6768 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(168, 79, 71)` looks like.

```
.text, #text, p{  
    color:rgb(168, 79, 71)  
}
```

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(168, 79, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 79, 71) }
```

Border

The CSS property to change the border of an element to XYZ 20.0818, 14.3717, 7.6768 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(168, 79, 71) }
```


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

```
.border{ border-color:rgb(168, 79, 71) }
```

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

Here you see how a box with a 4 pixel rgb(168, 79, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 79, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 79, 71);  
box-shadow:4px 4px 4px 4px rgb(168, 79,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 20.0818, 14.3717, 7.6768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 79, 71) }
```

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

```
.background{ background-color: rgb(168, 79,  
71) }
```

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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