

Converting Colors

XYZ(20.5271, 20.8425, 10.1341)

Have a look what the booklet for
XYZ(20.5271, 20.8425, 10.1341)
contains.

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Color

**XYZ(20.5474, 20.7650,
10.1328)**

Conversions

Conversions Part 1

Format	Color
Hex	947A4E
RGB	148, 122, 78
RGB Percent	58%, 48%, 31%
CMY	0.4196, 0.5216, 0.6941
CMYK	0.00, 0.18, 0.47, 0.42
HSL	38°, 31%, 44%
HSV	38°, 47%, 58%
XYZ	20.5474, 20.7650, 10.1328
YIQ	124.7580, 29.6200, -8.1720

Conversions

Conversions Part 2

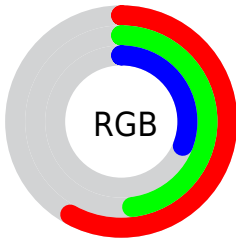
Format	Color
R_{YB}	119, 148, 78
Decimal	9730638
CIE _{Lab}	52.69, 4.00, 27.80
CIE _{LCh}	53, 28.087, 81.811
Yxy	20.7650, 0.3994, 0.4036
Android (android.graphics.Color)	4287920718 (0xFF947A4E)
YUV	124.7580, -23.0517, 20.3832
Hunter-Lab	45.5686, 0.7425, 18.7141

Details

The XYZ color **20.5474, 20.7650, 10.1328** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **13.4373, 13.6579, 29.9449**, and the grayscale version is **19.4801, 20.4946, 22.3186**.

A 20% lighter version of the original color is **43.6609, 44.5271, 26.7155**, and **7.4288, 7.4347, 2.4100** is the 20% darker color. If you saturate the color by 10%, you get **19.4196, 19.2651, 7.4272**, and if you desaturate by 10%, it is **21.8338, 22.3910, 13.4810**.

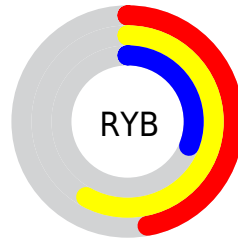
Distribution



Red (58%)

Green (48%)

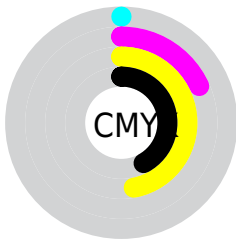
Blue (31%)



Red (47%)

Yellow (58%)

Blue (31%)

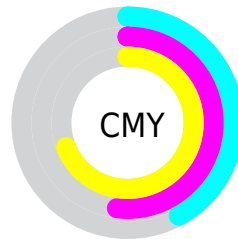


Cyan (0%)

Magenta (18%)

Yellow (47%)

Black (42%)



Cyan (42%)

Magenta (52%)

Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.5474, 20.7650, 10.1328 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 20.5474, 20.7650, 10.1328 by changing the saturation by 10% instead.

■ 20.5474, 20.7650,
10.1328

■ 20.5474, 20.7650,
10.1328

247.6408,
256.0270, 202.1364

■ 12.9041, 12.9523,
5.3803

■ 43.8300, 44.6961,
26.6567

■ 7.4391, 7.3957,
2.4095

■ 60.2001, 61.5833,
39.2652

■ 3.7870, 3.7108,
0.7916

■ 80.2099, 82.2642,
55.3295

■ 1.5823, 1.5131,
0.0000

■ 104.2246,
107.1231, 75.2681

■ 0.3809, 0.2979,
0.0000

■ 132.6097,
136.5444, 99.4996

■ 0.0000, 0.0000,
0.0000

165.7305,

170.9126, 128.4424

203.9524,
210.6120, 162.5152

■ 20.5474, 20.7650,
10.1328

■ 20.5474, 20.7650,
10.1328

■ 19.4196, 19.2651,
7.4272

■ 21.8338, 22.3910,
13.4810

■ 18.4402, 17.8839,
5.3200

■ 23.2854, 24.1443,
17.5094

■ 17.5999, 16.6174,
3.7633

■ 24.9099, 26.0298,
22.2543

■ 16.8875, 15.4601,
2.7013

■ 26.7142, 28.0511,
27.7491

■ 16.2839, 14.4032,
2.0367

■ 28.7048, 30.2119,
34.0249

■ 16.1302, 14.1309,
1.8774

■ 30.8878, 32.5153,
41.1111

■ 33.2690, 34.9647,
49.0356

■ 35.8539, 37.5630,
57.8250

■ 38.6479, 40.3133,
67.5046

Harmonies

Analogous

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



23.4167, 20.7650, 12.1768



20.5474, 20.7650, 10.1328



17.7223, 20.7650, 10.7222

Triad

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



20.5474, 20.7650, 10.1328



14.9677, 20.7650, 29.1282



24.4884, 20.7650, 34.0841

Complementary

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



20.5474, 20.7650, 10.1328



13.4373, 13.6579, 29.9449

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.



21.8978, 20.7650, 41.0732



20.5474, 20.7650, 10.1328



16.4636, 20.7650, 37.7555

Square

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



20.5474, 20.7650, 10.1328



14.6828, 20.7650, 20.3948



18.9472, 20.7650, 42.5610



25.8342, 20.7650, 24.9791

Rectangle

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



20.5474, 20.7650, 10.1328



16.2238, 20.7650, 12.6145



18.9472, 20.7650, 42.5610



23.7228, 20.7650, 36.8431

Sweetspot

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



20.5479, 20.7660, 10.1332



44.8789, 46.9788, 42.0497



17.4785, 12.7614, 14.8619



10.1054, 10.5664, 9.1793



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



20.5479, 20.7660, 10.1332



34.1097, 33.7793, 12.7524



22.7522, 27.2908, 11.2765



6.0862, 6.3862, 6.1523



13.8044, 12.1233, 1.6125



0.1973, 0.2050, 0.0292

Inverse Universe

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



13.4373, 13.6579, 29.9449



19.9804, 19.6742, 52.1790



11.9230, 9.5735, 29.2363



5.6654, 5.9648, 7.3225



5.7556, 4.2061, 24.4395



0.0970, 0.1046, 0.3080

Previews

White Background



This preview shows how the XYZ color 20.5474, 20.7650, 10.1328 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



This preview shows how the XYZ color 20.5474, 20.7650, 10.1328 looks on a 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 20.5474, 20.7650, 10.1328

Background



This preview shows how black text looks on a background with the XYZ color 20.5474, 20.7650, 10.1328.



This preview shows how white text looks on a background with the XYZ color 20.5474, 20.7650,

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

20.5474, 20.7650, 10.1328

Protanopia

19.2253, 20.8193, 10.5947

Deuteranopia

21.0405, 20.6584, 10.0862



Tritanopia

22.8960, 20.6469, 22.1805

Trichromacy



Original Color

20.5474, 20.7650, 10.1328

Protanomaly

19.7294, 20.8945, 10.3903

Deuteranomaly

20.9750, 20.8041, 10.1178

Tritanomaly

21.9477, 20.6189, 17.0104

Monochromacy



Original Color

20.5474, 20.7650, 10.1328

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

19.5873, 20.4846, 17.1089

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5474, 20.7650, 10.1328 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(148, 122, 78)` looks like.

```
.text, #text, p{  
    color:rgb(148, 122, 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(148, 122, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 122, 78) }
```

Border

The CSS property to change the border of an element to XYZ 20.5474, 20.7650, 10.1328 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(148, 122, 78) }
```


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

```
.border{ border-color:rgb(148, 122, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 122, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 122, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 122, 78);  
box-shadow:4px 4px 4px 4px rgb(148, 122,  
78) }
```

Background

The CSS property to change the background color of an element to XYZ 20.5474, 20.7650, 10.1328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 122, 78) }
```

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

```
.background{ background-color: rgb(148,  
122, 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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