

Converting Colors

XYZ(19.9432, 19.5991, 12.4049)

Have a look what the booklet for
XYZ(19.9432, 19.5991, 12.4049)
contains.

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Color

**XYZ(20.0010, 19.7148,
12.4240)**

Conversions

Conversions Part 1

Format	Color
Hex	91765A
RGB	145, 118, 90
RGB Percent	57%, 46%, 35%
CMY	0.4314, 0.5372, 0.6471
CMYK	0.00, 0.19, 0.38, 0.43
HSL	31°, 23%, 46%
HSV	31°, 38%, 57%
XYZ	20.0010, 19.7148, 12.4240
YIQ	122.8810, 25.0800, -2.9840

Conversions

Conversions Part 2

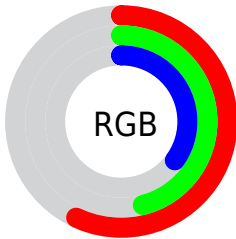
Format	Color
R_{YB}	143, 145, 90
Decimal	9533018
CIE _{Lab}	51.51, 6.39, 19.40
CIE _{LCh}	52, 20.423, 71.753
Yxy	19.7148, 0.3836, 0.3781
Android (android.graphics.Color)	4287723098 (0xFF91765A)
YUV	122.8810, -16.2103, 19.3984
Hunter-Lab	44.4014, 2.7046, 14.4909

Details

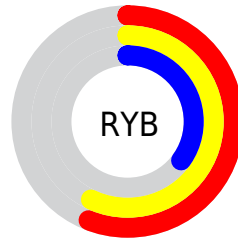
The XYZ color **20.0010, 19.7148, 12.4240** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **15.6884, 16.9401, 29.2311**, and the grayscale version is **18.8339, 19.8147, 21.5782**.

A 20% lighter version of the original color is **42.9278, 42.9223, 30.8332**, and **7.1590, 6.8893, 3.3353** is the 20% darker color. If you saturate the color by 10%, you get **18.6364, 17.8788, 9.2156**, and if you desaturate by 10%, it is **21.5503, 21.7274, 16.2885**.

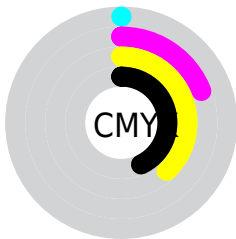
Distribution



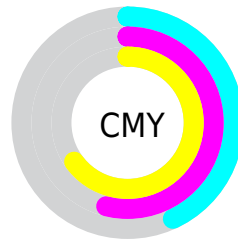
- Red (57%)
- Green (46%)
- Blue (35%)



- Red (56%)
- Yellow (57%)
- Blue (35%)



- Cyan (0%)
- Magenta (19%)
- Yellow (38%)
- Black (43%)



- Cyan (43%)
- Magenta (54%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0010, 19.7148, 12.4240 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 20.0010, 19.7148, 12.4240 by changing the saturation by 10% instead.

■ 20.0010, 19.7148,
12.4240

■ 20.0010, 19.7148,
12.4240

244.7540,
250.3670, 218.2690

■ 12.5040, 12.1879,
6.9071

■ 42.9228, 42.9385,
30.9409

■ 7.1626, 6.8718,
3.3265

■ 59.0783, 59.4041,
44.7779

■ 3.6112, 3.3820,
1.2637

■ 78.8508, 79.6181,
62.2255

■ 1.4846, 1.3343,
0.0317

■ 102.6055,
103.9648, 83.7020

■ 0.3153, 0.1675,
0.0000

■ 130.7078,
132.8286, 109.6261

■ 0.0000, 0.0000,
0.0000

163.5231,

166.5940, 140.4163

201.4167,
205.6453, 176.4911

■ 20.0010, 19.7148,
12.4240

■ 20.0010, 19.7148,
12.4240

■ 18.6364, 17.8788,
9.2156

■ 21.5503, 21.7274,
16.2885

■ 17.4465, 16.2109,
6.6245

■ 23.2906, 23.9190,
20.8424

■ 16.4228, 14.7061,
4.6098

■ 25.2297, 26.2956,
26.1181

■ 15.5548, 13.3580,
3.1251

■ 27.3745, 28.8619,
32.1456

■ 14.8311, 12.1595,
2.1164

■ 29.7315, 31.6226,
38.9532

■ 14.2300, 11.0992,
1.4785

■ 32.3070, 34.5820,
46.5678

■ 14.1143, 10.8942,
1.3589

■ 35.1068, 37.7444,
55.0150

■ 38.1367, 41.1138,
64.3191

■ 41.4022, 44.6943,
74.5035

Harmonies

Analogous

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



21.8384, 19.7148, 14.7867



20.0010, 19.7148, 12.4240



17.9461, 19.7148, 12.1953

Triad

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



20.0010, 19.7148, 12.4240



15.1351, 19.7148, 23.8508



21.4903, 19.7148, 31.0469

Complementary

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



20.0010, 19.7148, 12.4240



15.6884, 16.9401, 29.2311

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.



19.5535, 19.7148, 34.5372



20.0010, 19.7148, 12.4240



15.9465, 19.7148, 29.9037

Square

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



20.0010, 19.7148, 12.4240



15.2356, 19.7148, 18.1190



17.5299, 19.7148, 34.0844



22.7405, 19.7148, 25.2019

Rectangle

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



20.0010, 19.7148, 12.4240



16.7378, 19.7148, 13.2204



17.5299, 19.7148, 34.0844



20.8922, 19.7148, 32.5786

Sweetspot

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



20.0015, 19.7157, 12.4244



43.9968, 45.6502, 43.5104



18.5738, 14.6284, 18.8290



9.6951, 10.0424, 9.4269



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



20.0015, 19.7157, 12.4244



33.5983, 32.3242, 17.0122



23.6481, 27.0089, 13.6399



5.6216, 5.8495, 5.7221



12.1323, 9.3964, 1.1742



0.1380, 0.1339, 0.0186

Inverse Universe

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



15.6884, 16.9401, 29.2311



24.6706, 26.5798, 51.8037



12.9837, 11.5305, 28.3295



5.3344, 5.6646, 6.8410



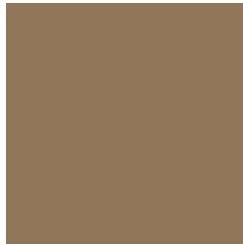
6.3518, 5.6896, 23.7405



0.0827, 0.0983, 0.2343

Previews

White Background



This preview shows how the XYZ color 20.0010, 19.7148, 12.4240 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 20.0010, 19.7148, 12.4240 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 20.0010, 19.7148, 12.4240

Background



This preview shows how black text looks on a background with the XYZ color 20.0010, 19.7148, 12.4240.



This preview shows how white text looks on a background with the XYZ color 20.0010, 19.7148,

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

20.0010, 19.7148, 12.4240

Protanopia

18.5304, 19.8442, 12.9789

Deuteranopia

20.0010, 19.7148, 12.4240



Tritanopia

21.7429, 19.7357, 21.0757

Trichromacy



Original Color

20.0010, 19.7148, 12.4240

Protanomaly

19.0422, 19.7484, 12.7057

Deuteranomaly

20.0010, 19.7148, 12.4240

Tritanomaly

20.9778, 19.5903, 17.4275

Monochromacy



Original Color

20.0010, 19.7148, 12.4240

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

19.0667, 19.6477, 17.8264

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0010, 19.7148, 12.4240 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(145, 118, 90)` looks like.

```
.text, #text, p{  
    color:rgb(145, 118, 90)  
}
```

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(145, 118, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 118, 90) }
```

Border

The CSS property to change the border of an element to XYZ 20.0010, 19.7148, 12.4240 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(145, 118, 90) }
```


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

```
.border{ border-color:rgb(145, 118, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 118, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 118, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 118, 90);  
box-shadow:4px 4px 4px 4px rgb(145, 118,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 20.0010, 19.7148, 12.4240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 118, 90) }
```

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

```
.background{ background-color: rgb(145,  
118, 90) }
```

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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