

Converting Colors

XYZ(19.9705, 19.7555, 19.0118)

Have a look what the booklet for
XYZ(19.9705, 19.7555, 19.0118)
contains.

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Color

**XYZ(20.0079, 19.7498,
18.9772)**

Conversions

Conversions Part 1

Format	Color
Hex	897773
RGB	137, 119, 115
RGB Percent	54%, 47%, 45%
CMY	0.4627, 0.5333, 0.5490
CMYK	0.00, 0.13, 0.16, 0.46
HSL	11°, 9%, 49%
HSV	11°, 16%, 54%
XYZ	20.0079, 19.7498, 18.9772
YIQ	123.9260, 12.0120, 2.5720

Conversions

Conversions Part 2

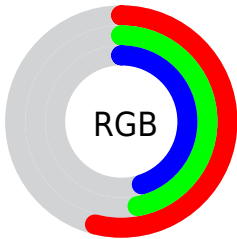
Format	Color
R_{YB}	137, 120, 115
Decimal	9009011
CIE Lab	51.55, 6.26, 4.75
CIE LCh	52, 7.858, 37.225
Yxy	19.7498, 0.3406, 0.3363
Android (android.graphics.Color)	4287199091 (0xFF897773)
YUV	123.9260, -4.4005, 11.4659
Hunter-Lab	44.4407, 2.5921, 5.7904

Details

The XYZ color **20.0079, 19.7498, 18.9772** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **19.9731, 22.2257, 26.9045**, and the grayscale version is **19.1454, 20.1424, 21.9351**.

A 20% lighter version of the original color is **43.0238, 42.9922, 42.5899**, and **7.1968, 6.9380, 6.2700** is the 20% darker color. If you saturate the color by 10%, you get **18.0214, 16.9460, 14.7104**, and if you desaturate by 10%, it is **22.2700, 22.9169, 23.9145**.

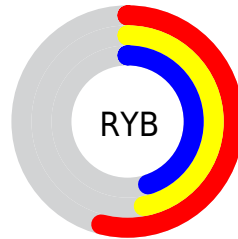
Distribution



Red (54%)

Green (47%)

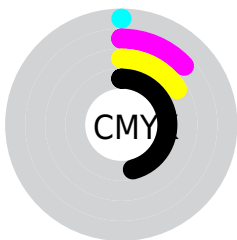
Blue (45%)



Red (54%)

Yellow (47%)

Blue (45%)

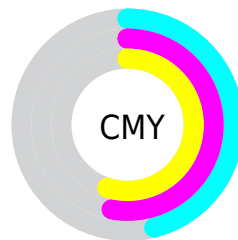


Cyan (0%)

Magenta (13%)

Yellow (16%)

Black (46%)



Cyan (46%)

Magenta (53%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0079, 19.7498, 18.9772 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 20.0079, 19.7498, 18.9772 by changing the saturation by 10% instead.

■ 20.0079, 19.7498,
18.9772

■ 20.0079, 19.7498,
18.9772

244.7906,
250.5574, 258.7414

■ 12.5091, 12.2133,
11.4772

■ 42.9343, 42.9973,
42.5318

■ 7.1660, 6.8891,
6.2706

■ 59.0925, 59.4771,
59.4233

■ 3.6134, 3.3929,
2.9388

■ 78.8680, 79.7068,
80.2825

■ 1.4858, 1.3401,
1.0635

102.6260,
104.0708, 105.5279

■ 0.3162, 0.1719,
0.0000

130.7319,
132.9534, 135.5779

■ 0.0000, 0.0000,
0.0000

163.5511,

166.7391, 170.8511

201.4489,
205.8123, 211.7661

■ 20.0079, 19.7498,
18.9772

■ 20.0079, 19.7498,
18.9772

■ 18.0214, 16.9460,
14.7104

■ 22.2700, 22.9169,
23.9145

■ 16.2983, 14.4898,
11.0838

■ 24.8160, 26.4569,
29.5481

■ 14.8279, 12.3685,
8.0669

■ 27.6561, 30.3825,
35.9042

■ 13.5979, 10.5674,
5.6258

■ 30.7993, 34.7047,
43.0071

■ 12.5953, 9.0708,
3.7238

■ 34.2543, 39.4344,
50.8800

■ 11.8056, 7.8615,
2.3194

■ 38.0293, 44.5819,
59.5452

■ 11.2125, 6.9207,
1.3655

■ 42.1324, 50.1570,
69.0239

■ 10.7940, 6.2258,
0.7879

■ 46.5713, 56.1695,
79.3367

■ 10.6627, 6.0105,
0.5981

■ 51.3534, 62.6287,
90.5034

Harmonies

Analogous

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



20.3200, 19.7498, 20.9614



20.0079, 19.7498, 18.9772



19.3661, 19.7498, 17.7356

Triad

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



20.0079, 19.7498, 18.9772



17.4049, 19.7498, 19.8629



18.9634, 19.7498, 26.1175

Complementary

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



20.0079, 19.7498, 18.9772



19.9731, 22.2257, 26.9045

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.



18.1894, 19.7498, 25.7721



20.0079, 19.7498, 18.9772



17.3039, 19.7498, 22.0562

Square

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



20.0079, 19.7498, 18.9772



17.8672, 19.7498, 18.2213



17.5873, 19.7498, 24.2461



19.7060, 19.7498, 25.1594

Rectangle

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



20.0079, 19.7498, 18.9772



18.8453, 19.7498, 17.4432



17.5873, 19.7498, 24.2461



18.6981, 19.7498, 26.1510

Sweetspot

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



20.0084, 19.7507, 18.9776



40.2911, 41.6114, 43.7280



20.7043, 19.2828, 24.9423



8.9782, 9.2511, 9.6784



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



20.0084, 19.7507, 18.9776



34.5811, 33.6102, 31.2854



21.3497, 22.4332, 19.4247



5.1017, 5.1863, 5.2846



9.9390, 5.6124, 0.5595



0.0739, 0.0531, 0.0063

Inverse Universe

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



19.9731, 22.2257, 26.9045



34.5056, 38.8474, 48.0628



18.5864, 19.4523, 26.4423



5.0968, 5.5365, 6.4059



9.6190, 12.5084, 23.9531



0.0732, 0.1017, 0.1622

Previews

White Background



This preview shows how the XYZ color 20.0079, 19.7498, 18.9772 looks on a white background.

Color Contrast Check

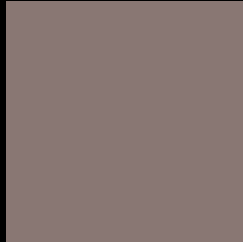
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.0079, 19.7498, 18.9772 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

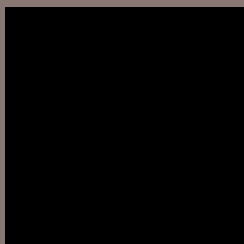
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.0079, 19.7498, 18.9772

Background



This preview shows how black text looks on a background with the XYZ color 20.0079, 19.7498, 18.9772.



This preview shows how white text looks on a background with the XYZ color 20.0079, 19.7498,

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

20.0079, 19.7498, 18.9772

Protanopia

18.9228, 19.7154, 19.6377

Deuteranopia

20.1726, 19.8347, 18.9849



Tritanopia

20.6084, 19.6322, 22.4419

Trichromacy



Original Color

20.0079, 19.7498, 18.9772

Protanomaly

19.3498, 19.7610, 19.3174

Deuteranomaly

20.1726, 19.8347, 18.9849

Tritanomaly

20.4725, 19.7653, 21.1484

Monochromacy



Original Color

20.0079, 19.7498, 18.9772

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

19.4640, 19.9667, 20.9173

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0079, 19.7498, 18.9772 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(137, 119, 115)` looks like.

```
.text, #text, p{  
    color:rgb(137, 119, 115)  
}
```

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(137, 119, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 119, 115) }
```

Border

The CSS property to change the border of an element to XYZ 20.0079, 19.7498, 18.9772 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(137, 119, 115) }
```


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

```
.border{ border-color:rgb(137, 119, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 119, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 119, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 119, 115);  
box-shadow:4px 4px 4px 4px rgb(137, 119,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 20.0079, 19.7498, 18.9772 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 119, 115) }
```

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

```
.background{ background-color: rgb(137,  
119, 115) }
```

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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