

Converting Colors

XYZ(20.1669, 16.0783, 19.8835)

Have a look what the booklet for
XYZ(20.1669, 16.0783, 19.8835)
contains.

XYZ(20.2449, 16.1198, 19.8137)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(20.2449, 16.1198,
19.8137)**

Conversions

Conversions Part 1

Format	Color
Hex	975F78
RGB	151, 95, 120
RGB Percent	59%, 37%, 47%
CMY	0.4078, 0.6274, 0.5294
CMYK	0.00, 0.37, 0.21, 0.41
HSL	333°, 23%, 48%
HSV	333°, 37%, 59%
XYZ	20.2449, 16.1198, 19.8137
YIQ	114.5940, 25.3510, 19.6470

Conversions

Conversions Part 2

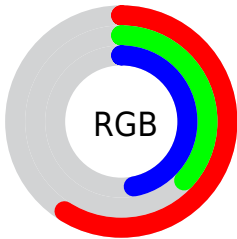
Format	Color
R_{YB}	151, 95, 120
Decimal	9920376
CIE Lab	47.13, 26.49, -4.49
CIE LCh	47, 26.864, 350.382
Yxy	16.1198, 0.3604, 0.2869
Android (android.graphics.Color)	4288110456 (0xFF975F78)
YUV	114.5940, 2.6652, 31.9281
Hunter-Lab	40.1495, 19.7450, -1.1549

Details

The XYZ color **20.2449, 16.1198, 19.8137** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **19.5526, 26.0730, 23.7420**, and the grayscale version is **16.1602, 17.0018, 18.5149**.

A 20% lighter version of the original color is **43.1789, 36.6581, 43.8297**, and **7.3318, 5.1536, 6.7392** is the 20% darker color. If you saturate the color by 10%, you get **18.5289, 13.4645, 16.8470**, and if you desaturate by 10%, it is **22.2698, 19.3217, 23.1023**.

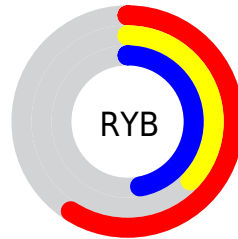
Distribution



Red (59%)

Green (37%)

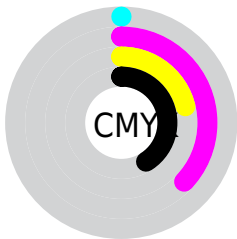
Blue (47%)



Red (59%)

Yellow (37%)

Blue (47%)

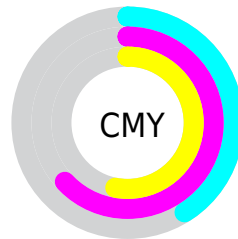


Cyan (0%)

Magenta (37%)

Yellow (21%)

Black (41%)



Cyan (41%)

Magenta (63%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.2449, 16.1198, 19.8137 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 20.2449, 16.1198, 19.8137 by changing the saturation by 10% instead.

■ 20.2449, 16.1198,
19.8137

■ 20.2449, 16.1198,
19.8137

246.0462,
230.0476, 263.4756

■ 12.6825, 9.6090,
12.0770

■ 43.3282, 36.8061,
43.9595

■ 7.2858, 5.1405,
6.6729

■ 59.5798, 51.7503,
61.2056

■ 3.6894, 2.3299,
3.1831

■ 79.4585, 70.2744,
82.4586

■ 1.5279, 0.7895,
1.1889

■ 103.3297, 92.7628,
108.1370

■ 0.3447, 0.0000,
0.0000

131.5587,
119.6000, 138.6594

■ 0.0000, 0.0000,
0.0000

164.5109,

151.1702, 174.4442

202.5516,
187.8580, 215.9101

■ 20.2449, 16.1198,
19.8137

■ 20.2449, 16.1198,
19.8137

■ 18.5289, 13.4645,
16.8470

■ 22.2698, 19.3217,
23.1023

■ 17.1040, 11.3224,
14.1902

■ 24.6173, 23.0964,
26.7221

■ 15.9526, 9.6601,
11.8318

■ 27.3021, 27.4713,
30.6835

■ 15.0545, 8.4392,
9.7589

■ 30.3374, 32.4712,
34.9958

■ 14.3865, 7.6153,
7.9577

■ 33.7356, 38.1197,
39.6680

■ 13.9110, 7.1152,
6.4087

■ 37.5088, 44.4389,
44.7089

■ 13.7880, 6.9895,
5.9967

■ 41.6682, 51.4500,
50.1267

■ 46.2247, 59.1734,
55.9295

■ 51.1888, 67.6285,
62.1252

Harmonies

Analogous

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



19.0894, 16.1198, 27.2111



20.2449, 16.1198, 19.8137



19.9808, 16.1198, 13.4035

Triad

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



20.2449, 16.1198, 19.8137



13.7947, 16.1198, 7.9708



12.6062, 16.1198, 29.5863

Complementary

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



20.2449, 16.1198, 19.8137



19.5526, 26.0730, 23.7420

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.



11.4493, 16.1198, 22.4781



20.2449, 16.1198, 19.8137



12.0850, 16.1198, 10.5007

Square

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



20.2449, 16.1198, 19.8137



16.0921, 16.1198, 7.6037



11.2688, 16.1198, 15.4688



14.5757, 16.1198, 33.7355

Rectangle

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



20.2449, 16.1198, 19.8137



19.0444, 16.1198, 10.4066



11.2688, 16.1198, 15.4688



12.1183, 16.1198, 27.3895

Sweetspot

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



20.2454, 16.1206, 19.8140



46.8307, 45.8232, 51.9402



18.2535, 14.8401, 31.1808



10.5091, 10.1951, 11.6064



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



20.2454, 16.1206, 19.8140



33.5185, 24.6266, 30.7699



19.1777, 16.1043, 12.9251



6.3176, 6.2662, 7.0528



11.7437, 5.9517, 5.1751



0.1935, 0.0962, 0.1718

Inverse Universe

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



20.2454, 16.1206, 19.8140



33.5185, 24.6266, 30.7699



20.9271, 25.9103, 33.1766



6.3176, 6.2662, 7.0528



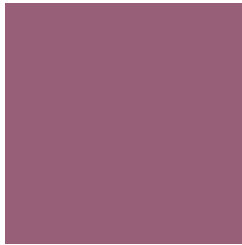
11.7437, 5.9517, 5.1751



0.1935, 0.0962, 0.1718

Previews

White Background



This preview shows how the XYZ color 20.2449, 16.1198, 19.8137 looks on a white background.

Color Contrast Check

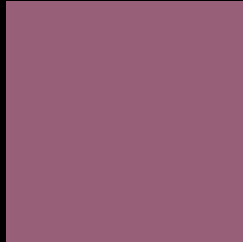
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 20.2449, 16.1198, 19.8137 looks on a 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 20.2449, 16.1198, 19.8137

Background



This preview shows how black text looks on a background with the XYZ color 20.2449, 16.1198, 19.8137.



This preview shows how white text looks on a background with the XYZ color 20.2449, 16.1198,

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

20.2449, 16.1198, 19.8137

Protanopia

16.0204, 16.2318, 23.4078

Deuteranopia

16.6238, 16.3102, 19.4116



Tritanopia

19.3119, 16.1448, 15.4630

Trichromacy



Original Color

20.2449, 16.1198, 19.8137

Protanomaly

17.1297, 15.8946, 21.9038

Deuteranomaly

17.7958, 16.1381, 19.6298

Tritanomaly

19.6668, 16.1592, 16.8343

Monochromacy



Original Color

20.2449, 16.1198, 19.8137

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

17.4755, 16.5987, 19.1124

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2449, 16.1198, 19.8137 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(151, 95, 120)` looks like.

```
.text, #text, p{  
    color:rgb(151, 95, 120)  
}
```

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(151, 95, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 95, 120) }
```

Border

The CSS property to change the border of an element to XYZ 20.2449, 16.1198, 19.8137 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(151, 95, 120) }
```


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

```
.border{ border-color:rgb(151, 95, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 95, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 95, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 95, 120);  
box-shadow:4px 4px 4px 4px rgb(151, 95,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2449, 16.1198, 19.8137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 95, 120) }
```

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

```
.background{ background-color: rgb(151, 95,  
120) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor