

Converting Colors

XYZ(19.9093, 20.2565, 9.0115)

Have a look what the booklet for
XYZ(19.9093, 20.2565, 9.0115)
contains.

XYZ(19.8611, 20.2536, 8.9934)	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(19.8611, 20.2536,
8.9934)**

Conversions

Conversions Part 1

Format	Color
Hex	927948
RGB	146, 121, 72
RGB Percent	57%, 47%, 28%
CMY	0.4275, 0.5255, 0.7176
CMYK	0.00, 0.17, 0.51, 0.43
HSL	40°, 34%, 43%
HSV	40°, 51%, 57%
XYZ	19.8611, 20.2536, 8.9934
YIQ	122.8890, 30.6290, -9.9390

Conversions

Conversions Part 2

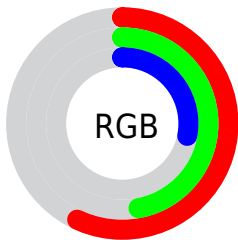
Format	Color
R_{YB}	110, 146, 72
Decimal	9599304
CIE _{Lab}	52.12, 3.07, 30.35
CIE _{LCh}	52, 30.508, 84.220
Yxy	20.2536, 0.4044, 0.4124
Android (android.graphics.Color)	4287789384 (0xFF927948)
YUV	122.8890, -25.0883, 20.2683
Hunter-Lab	45.0040, 0.0184, 19.6545

Details

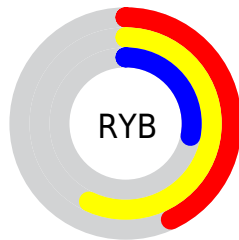
The XYZ color **19.8611, 20.2536, 8.9934** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **12.1353, 12.0019, 28.8710**, and the grayscale version is **18.8636, 19.8459, 21.6122**.

A 20% lighter version of the original color is **42.7519, 43.8242, 24.2948**, and **7.0832, 7.1668, 1.9873** is the 20% darker color. If you saturate the color by 10%, you get **18.8563, 18.9178, 6.5813**, and if you desaturate by 10%, it is **21.0107, 21.6978, 12.0124**.

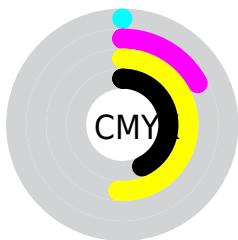
Distribution



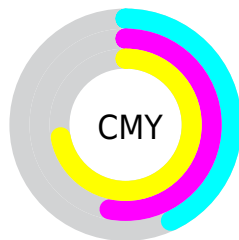
- Red (57%)
- Green (47%)
- Blue (28%)



- Red (43%)
- Yellow (57%)
- Blue (28%)



- Cyan (0%)
- Magenta (17%)
- Yellow (51%)
- Black (43%)



- Cyan (43%)
- Magenta (53%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.8611, 20.2536, 8.9934 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 19.8611, 20.2536, 8.9934 by changing the saturation by 10% instead.

■ 19.8611, 20.2536,
8.9934

■ 19.8611, 20.2536,
8.9934

244.0101,
253.2847, 193.5449

■ 12.4018, 12.5795,
4.6401

■ 42.6899, 43.8420,
24.4616

■ 7.0921, 7.1396,
1.9827

■ 58.7901, 60.5250,
36.4137

■ 3.5666, 3.5496,
0.5446

■ 78.5013, 80.9799,
51.7357

■ 1.4600, 1.4249,
0.0000

■ 102.1889,
105.5909, 70.8463

■ 0.2984, 0.2350,
0.0000

■ 130.2183,
134.7425, 94.1640

■ 0.0000, 0.0000,
0.0000

162.9546,

168.8191, 122.1073

200.7635,
208.2050, 155.0947

■ 19.8611, 20.2536,
8.9934

■ 19.8611, 20.2536,
8.9934

■ 18.8563, 18.9178,
6.5813

■ 21.0107, 21.6978,
12.0124

■ 17.9862, 17.6835,
4.7317

■ 22.3113, 23.2515,
15.6757

■ 17.2416, 16.5469,
3.3964

■ 23.7707, 24.9190,
20.0194

■ 16.6112, 15.5029,
2.5183

■ 25.3955, 26.7039,
25.0764

■ 16.0994, 14.6019,
1.9699

■ 27.1918, 28.6091,
30.8775

■ 29.1657, 30.6379,
37.4515

■ 31.3226, 32.7929,
44.8260

■ 33.6680, 35.0769,
53.0270

■ 36.2068, 37.4927,
62.0793

Harmonies

Analogous

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



22.9761, 20.2536, 10.8430



19.8611, 20.2536, 8.9934



16.8923, 20.2536, 9.8002

Triad

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



19.8611, 20.2536, 8.9934



14.2804, 20.2536, 29.8803



24.5401, 20.2536, 33.7032

Complementary

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



19.8611, 20.2536, 8.9934



12.1353, 12.0019, 28.8710

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.



21.8184, 20.2536, 41.7301



19.8611, 20.2536, 8.9934



15.9510, 20.2536, 39.1380

Square

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



19.8611, 20.2536, 8.9934



13.8765, 20.2536, 20.3669



18.6524, 20.2536, 43.9487



25.8586, 20.2536, 23.8291

Rectangle

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



19.8611, 20.2536, 8.9934



15.3617, 20.2536, 11.8875



18.6524, 20.2536, 43.9487



23.7457, 20.2536, 36.8032

Sweetspot

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



19.8616, 20.2546, 8.9938



43.4397, 45.6283, 39.9568



16.3714, 11.6258, 12.9118



9.5449, 10.0198, 8.5203



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.



19.8616, 20.2546, 8.9938



33.0117, 33.0242, 11.0413



21.4241, 26.1682, 10.0529



6.1021, 6.4180, 6.1576



14.1887, 12.8919, 1.7405



0.2010, 0.2125, 0.0304

Inverse Universe

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



12.1353, 12.0019, 28.8710



17.7923, 16.7942, 50.2774



11.0819, 8.5538, 28.2610



5.6501, 5.9341, 7.3173



5.5629, 3.8206, 24.3753



0.0933, 0.0971, 0.3067

Previews

White Background



This preview shows how the XYZ color 19.8611, 20.2536, 8.9934 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 19.8611, 20.2536, 8.9934 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

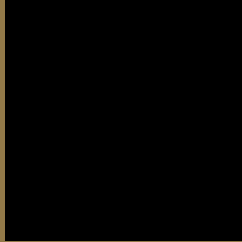
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.8611, 20.2536, 8.9934

Background



This preview shows how black text looks on a background with the XYZ color 19.8611, 20.2536, 8.9934.



This preview shows how white text looks on a background with the XYZ color 19.8611, 20.2536,

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

19.8611, 20.2536, 8.9934

Protanopia

18.6896, 20.3825, 9.2525

Deuteranopia

20.5619, 20.2540, 9.1290



Tritanopia

22.5313, 20.2960, 21.7988

Trichromacy



Original Color

19.8611, 20.2536, 8.9934

Protanomaly

19.2255, 20.4718, 9.2415

Deuteranomaly

20.3135, 20.3035, 9.1517

Tritanomaly

21.3055, 20.1321, 16.1276

Monochromacy



Original Color

19.8611, 20.2536, 8.9934

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

18.8183, 19.7438, 15.9158

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.8611, 20.2536, 8.9934 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(146, 121, 72)` looks like.

```
.text, #text, p{  
    color:rgb(146, 121, 72)  
}
```

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(146, 121, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 121, 72) }
```

Border

The CSS property to change the border of an element to XYZ 19.8611, 20.2536, 8.9934 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(146, 121, 72) }
```


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

```
.border{ border-color:rgb(146, 121, 72) }
```

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

Here you see how a box with a 4 pixel rgb(146, 121, 72) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 121, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 121, 72);  
box-shadow:4px 4px 4px 4px rgb(146, 121,  
72) }
```

Background

The CSS property to change the background color of an element to XYZ 19.8611, 20.2536, 8.9934 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 121, 72) }
```

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

```
.background{ background-color: rgb(146,  
121, 72) }
```

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