

Converting Colors

XYZ(21.4462, 19.9742, 19.1403)

Have a look what the booklet for
XYZ(21.4462, 19.9742, 19.1403)
contains.

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Color

**XYZ(21.4304, 19.9548,
19.2452)**

Conversions

Conversions Part 1

Format	Color
Hex	937474
RGB	147, 116, 116
RGB Percent	58%, 45%, 45%
CMY	0.4235, 0.5451, 0.5451
CMYK	0.00, 0.21, 0.21, 0.42
HSL	0°, 13%, 52%
HSV	0°, 21%, 58%
XYZ	21.4304, 19.9548, 19.2452
YIQ	125.2690, 18.4760, 6.5720

Conversions

Conversions Part 2

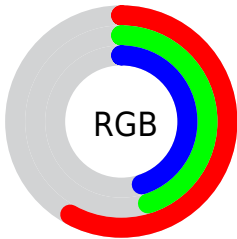
Format	Color
R_{YB}	147, 116, 116
Decimal	9663604
CIE _{Lab}	51.79, 12.14, 4.63
CIE _{LCh}	52, 12.995, 20.881
Yxy	19.9548, 0.3535, 0.3291
Android (android.graphics.Color)	4287853684 (0xFF937474)
YUV	125.2690, -4.5696, 19.0581
Hunter-Lab	44.6708, 7.4598, 5.7261

Details

The XYZ color **21.4304, 19.9548, 19.2452** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **22.9024, 26.6863, 31.5478**, and the grayscale version is **19.5947, 20.6151, 22.4499**.

A 20% lighter version of the original color is **45.1579, 43.2499, 43.0138**, and **7.9344, 7.0384, 6.4092** is the 20% darker color. If you saturate the color by 10%, you get **19.0798, 16.5153, 14.5715**, and if you desaturate by 10%, it is **24.1856, 23.9865, 24.7218**.

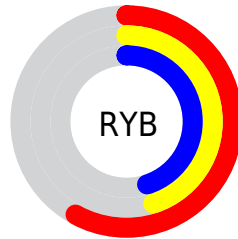
Distribution



Red (58%)

Green (45%)

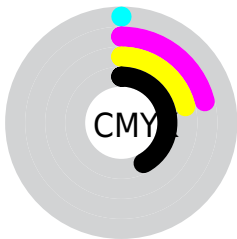
Blue (45%)



Red (58%)

Yellow (45%)

Blue (45%)

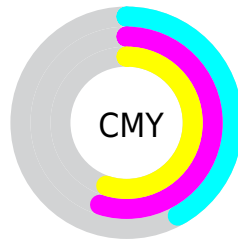


Cyan (0%)

Magenta (21%)

Yellow (21%)

Black (42%)



Cyan (42%)


Magenta (55%)


Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.4304, 19.9548, 19.2452 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 21.4304, 19.9548, 19.2452 by changing the saturation by 10% instead.


 21.4304, 19.9548,
19.2452


 21.4304, 19.9548,
19.2452


252.2457,
251.6703, 260.2668


 13.5532, 12.3622,
11.6690


 45.2886, 43.3414,
42.9902


 7.8902, 6.9908,
6.3989


 62.0004, 59.9042,
59.9961

 4.0760, 3.4564,
3.0164


 82.3878, 80.2258,
80.9823

 1.7452, 1.3744,
1.1030

 106.8161,
104.6906, 106.3673

 0.4843, 0.1977,
0.0000

135.6507,
133.6831, 136.5698

 0.0000, 0.0000,
0.0000

169.2569,

167.5876, 172.0081

208.0001,
206.7886, 213.1009

■ 21.4304, 19.9548,
19.2452

■ 21.4304, 19.9548,
19.2452

■ 19.0798, 16.5153,
14.5715

■ 24.1856, 23.9865,
24.7218

■ 17.1131, 13.6375,
10.6619

■ 27.3613, 28.6334,
31.0352

■ 15.5105, 11.2925,
7.4761

■ 30.9748, 33.9209,
38.2189

■ 14.2497, 9.4475,
4.9697

■ 35.0418, 39.8720,
46.3043

■ 13.3058, 8.0662,
3.0934

■ 39.5772, 46.5085,
55.3209

■ 12.6507, 7.1076,
1.7913

■ 44.5954, 53.8513,
65.2973

■ 12.2513, 6.5231,
0.9976

■ 50.1099, 61.9204,
76.2604

■ 12.0328, 6.2034,
0.5632

■ 56.1339, 70.7351,
88.2365

■ 62.6800, 80.3136,
101.2507

Harmonies

Analogous

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



21.5763, 19.9548, 22.8963



21.4304, 19.9548, 19.2452



20.6083, 19.9548, 16.5757

Triad

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



21.4304, 19.9548, 19.2452



17.0701, 19.9548, 17.4681



18.5682, 19.9548, 29.6974

Complementary

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



21.4304, 19.9548, 19.2452



22.9024, 26.6863, 31.5478

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.



17.4142, 19.9548, 27.8492



21.4304, 19.9548, 19.2452



16.5760, 19.9548, 20.5990

Square

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



21.4304, 19.9548, 19.2452



18.0787, 19.9548, 15.6351



16.6990, 19.9548, 24.4143



19.8828, 19.9548, 29.2265

Rectangle

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



21.4304, 19.9548, 19.2452



19.8074, 19.9548, 15.5740



16.6990, 19.9548, 24.4143



18.1496, 19.9548, 29.3195

Sweetspot

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



21.4309, 19.9557, 19.2456



46.0402, 46.9471, 49.6951



23.5447, 20.8007, 30.3779



10.4357, 10.6083, 11.1966



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.



21.4309, 19.9557, 19.2456



36.4289, 32.8831, 30.5878



23.3688, 23.8315, 19.8916



5.8008, 5.8155, 6.0572



10.4318, 5.3780, 0.4882



0.1277, 0.0658, 0.0060

Inverse Universe

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



22.9024, 26.6863, 31.5478



39.5195, 47.0202, 56.4275



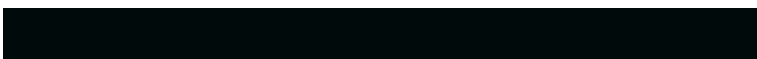
20.6528, 22.1871, 30.7979



5.9641, 6.5622, 7.4220



13.6095, 19.9137, 27.0575



0.1666, 0.2438, 0.3312

Previews

White Background



This preview shows how the XYZ color 21.4304, 19.9548, 19.2452 looks on a white background.

Color Contrast Check

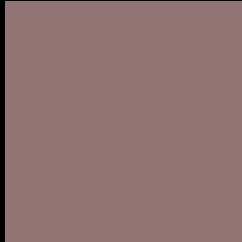
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.4304, 19.9548, 19.2452 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 21.4304, 19.9548, 19.2452

Background



This preview shows how black text looks on a background with the XYZ color 21.4304, 19.9548, 19.2452.



This preview shows how white text looks on a background with the XYZ color 21.4304, 19.9548,

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

21.4304, 19.9548, 19.2452

Protanopia

19.2255, 20.0340, 20.6230

Deuteranopia

20.3388, 19.9204, 18.9927



Tritanopia

21.9816, 20.0126, 21.7730

Trichromacy



Original Color

21.4304, 19.9548, 19.2452

Protanomaly

19.8778, 19.8332, 20.2333

Deuteranomaly

20.7283, 19.9455, 18.9770

Tritanomaly

21.7947, 19.9378, 20.7888

Monochromacy



Original Color

21.4304, 19.9548, 19.2452

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

20.1453, 20.3108, 21.2710

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4304, 19.9548, 19.2452 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(147, 116, 116)` looks like.

```
.text, #text, p{  
    color:rgb(147, 116, 116)  
}
```

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(147, 116, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 116, 116) }
```

Border

The CSS property to change the border of an element to XYZ 21.4304, 19.9548, 19.2452 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(147, 116, 116) }
```


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

```
.border{ border-color:rgb(147, 116, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 116, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 116, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 116, 116);  
box-shadow:4px 4px 4px 4px rgb(147, 116,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 21.4304, 19.9548, 19.2452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 116, 116) }
```

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

```
.background{ background-color: rgb(147,  
116, 116) }
```

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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