

Converting Colors

XYZ(20.3850, 21.4949, 16.0329)

Have a look what the booklet for
XYZ(20.3850, 21.4949, 16.0329)
contains.

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Color

**XYZ(20.3541, 21.4764,
15.9045)**

Conversions

Conversions Part 1

Format	Color
Hex	897F67
RGB	137, 127, 103
RGB Percent	54%, 50%, 40%
CMY	0.4627, 0.5019, 0.5961
CMYK	0.00, 0.07, 0.25, 0.46
HSL	42°, 14%, 47%
HSV	42°, 25%, 54%
XYZ	20.3541, 21.4764, 15.9045
YIQ	127.2540, 13.6640, -5.3440

Conversions

Conversions Part 2

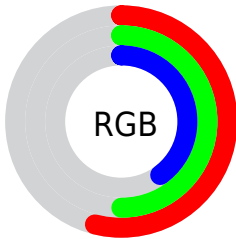
Format	Color
R_{YB}	117, 137, 103
Decimal	9011047
CIE _{Lab}	53.47, -0.29, 14.44
CIE _{LCh}	53, 14.444, 91.137
Yxy	21.4764, 0.3525, 0.3720
Android (android.graphics.Color)	4287201127 (0xFF897F67)
YUV	127.2540, -11.9572, 8.5472
Hunter-Lab	46.3426, -2.7008, 12.0919

Details

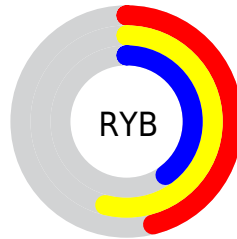
The XYZ color **20.3541, 21.4764, 15.9045** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **16.0139, 16.4995, 26.0078**, and the grayscale version is **20.2972, 21.3542, 23.2547**.

A 20% lighter version of the original color is **43.6399, 46.0520, 37.1607**, and **7.3687, 7.7605, 4.8509** is the 20% darker color. If you saturate the color by 10%, you get **19.2123, 20.2046, 12.4048**, and if you desaturate by 10%, it is **21.6305, 22.8369, 20.0055**.

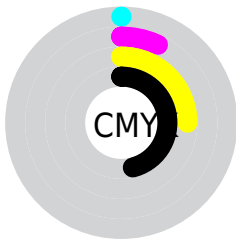
Distribution



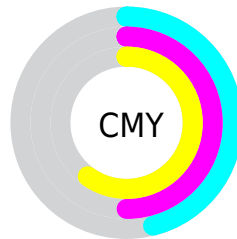
- Red (54%)
- Green (50%)
- Blue (40%)



- Red (46%)
- Yellow (54%)
- Blue (40%)



- Cyan (0%)
- Magenta (7%)
- Yellow (25%)
- Black (46%)



- Cyan (46%)
- Magenta (50%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3541, 21.4764, 15.9045 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 20.3541, 21.4764, 15.9045 by changing the saturation by 10% instead.

■ 20.3541, 21.4764,
15.9045

■ 20.3541, 21.4764,
15.9045

246.6229,
259.7996, 240.6040

■ 12.7625, 13.4727,
9.3030

■ 43.5095, 45.8791,
37.1968

■ 7.3410, 7.7548,
4.8398

■ 59.8040, 63.0468,
52.7247

■ 3.7245, 3.9385,
2.0965

■ 79.7301, 84.0380,
72.0651

■ 1.5475, 1.6392,
0.6137

■ 103.6532,
109.2370, 95.6366

■ 0.3578, 0.3838,
0.0000

131.9387,
139.0283, 123.8576

■ 0.0000, 0.0000,
0.0000

164.9519,

173.7962, 157.1469

203.0582,
213.9252, 195.9228

■ 20.3541, 21.4764,
15.9045

■ 20.3541, 21.4764,
15.9045

■ 19.2123, 20.2046,
12.4048

■ 21.6305, 22.8369,
20.0055

■ 18.1978, 19.0158,
9.4762

■ 23.0452, 24.2856,
24.7335

■ 17.3049, 17.9081,
7.0877

■ 24.6038, 25.8259,
30.1142

■ 16.5268, 16.8785,
5.2049

■ 26.3110, 27.4601,
36.1716

■ 15.8560, 15.9236,
3.7894

■ 28.1714, 29.1903,
42.9285

■ 15.2839, 15.0394,
2.7972

■ 30.1892, 31.0186,
50.4064

■ 14.7990, 14.2210,
2.1688

■ 32.3688, 32.9470,
58.6261

■ 14.5653, 13.8158,
1.8990

■ 34.7139, 34.9774,
67.6075

■ 37.2284, 37.1118,
77.3696

Harmonies

Analogous

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



21.8721, 21.4764, 16.7299



20.3541, 21.4764, 15.9045



18.9229, 21.4764, 16.8646

Triad

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



20.3541, 21.4764, 15.9045



17.9872, 21.4764, 28.0373



23.1106, 21.4764, 27.7104

Complementary

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



20.3541, 21.4764, 15.9045



16.0139, 16.4995, 26.0078

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.



21.9786, 21.4764, 31.3987



20.3541, 21.4764, 15.9045



19.0197, 21.4764, 31.6035

Square

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



20.3541, 21.4764, 15.9045



17.5994, 21.4764, 23.5525



20.4714, 21.4764, 32.9035



23.5109, 21.4764, 23.2166

Rectangle

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



20.3541, 21.4764, 15.9045



18.1978, 21.4764, 18.4673



20.4714, 21.4764, 32.9035



22.8003, 21.4764, 29.1044

Sweetspot

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



20.3547, 21.4774, 15.9050



40.6546, 42.8699, 42.2108



18.1589, 16.2159, 17.8550



9.0914, 9.5879, 9.3761



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.



20.3547, 21.4774, 15.9050



35.2272, 37.1110, 24.6918



20.6307, 23.6324, 16.3064



5.3090, 5.6008, 5.3536



13.5781, 12.8906, 1.7725



0.1029, 0.1111, 0.0160

Inverse Universe

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



16.0139, 16.4995, 26.0078



26.0163, 26.5507, 46.1368



15.7714, 14.8091, 25.6943



4.8867, 5.1164, 6.3358



4.9312, 3.1327, 22.3905



0.0442, 0.0437, 0.1526

Previews

White Background



This preview shows how the XYZ color 20.3541, 21.4764, 15.9045 looks on a white background.

Color Contrast Check

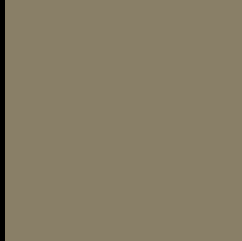
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.3541, 21.4764, 15.9045 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

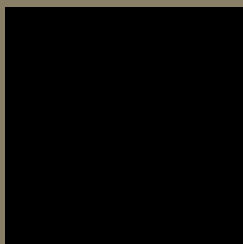
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

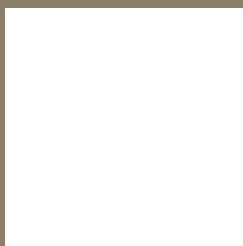
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.3541, 21.4764, 15.9045

Background



This preview shows how black text looks on a background with the XYZ color 20.3541, 21.4764, 15.9045.

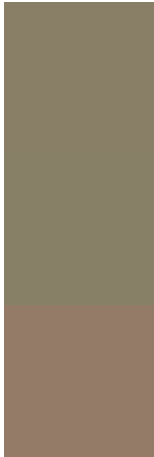


This preview shows how white text looks on a background with the XYZ color 20.3541, 21.4764,

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

20.3541, 21.4764, 15.9045

Protanopia

20.1590, 21.5685, 15.9326

Deuteranopia

21.7944, 21.4613, 16.0905



Tritanopia

22.3011, 21.5221, 25.1691

Trichromacy



Original Color

20.3541, 21.4764, 15.9045

Protanomaly

20.3207, 21.6519, 15.9402

Deuteranomaly

21.2079, 21.3441, 16.0987

Tritanomaly

21.5357, 21.3959, 21.4071

Monochromacy



Original Color

20.3541, 21.4764, 15.9045

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

20.2195, 21.3120, 20.1875

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3541, 21.4764, 15.9045 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, 127, 103)` looks like.

```
.text, #text, p{  
    color:rgb(137, 127, 103)  
}
```

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, 127, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 127, 103) }
```

Border

The CSS property to change the border of an element to XYZ 20.3541, 21.4764, 15.9045 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, 127, 103) }
```


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

```
.border{ border-color:rgb(137, 127, 103) }
```

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

Here you see how a box with a 4 pixel rgb(137, 127, 103) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 127, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 127, 103);  
box-shadow:4px 4px 4px 4px rgb(137, 127,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3541, 21.4764, 15.9045 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 127, 103) }
```

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

```
.background{ background-color: rgb(137,  
127, 103) }
```

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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