

Converting Colors

XYZ(20.3159, 21.4794, 15.6464)

Have a look what the booklet for
XYZ(20.3159, 21.4794, 15.6464)
contains.

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Color

**XYZ(20.3042, 21.4564,
15.6417)**

Conversions

Conversions Part 1

Format	Color
Hex	897F66
RGB	137, 127, 102
RGB Percent	54%, 50%, 40%
CMY	0.4627, 0.5019, 0.6000
CMYK	0.00, 0.07, 0.26, 0.46
HSL	43°, 15%, 47%
HSV	43°, 26%, 54%
XYZ	20.3042, 21.4564, 15.6417
YIQ	127.1400, 13.9850, -5.6550

Conversions

Conversions Part 2

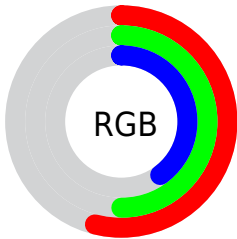
Format	Color
R_{YB}	116, 137, 102
Decimal	9011046
CIE Lab	53.45, -0.44, 14.99
CIE LCh	53, 14.994, 91.675
Yxy	21.4564, 0.3537, 0.3738
Android (android.graphics.Color)	4287201126 (0xFF897F66)
YUV	127.1400, -12.3940, 8.6472
Hunter-Lab	46.3211, -2.8188, 12.4037

Details

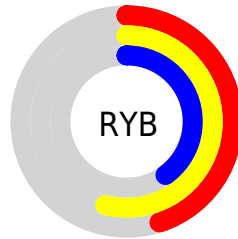
The XYZ color **20.3042, 21.4564, 15.6417** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **15.7890, 16.2189, 25.9655**, and the grayscale version is **20.2593, 21.3143, 23.2113**.

A 20% lighter version of the original color is **43.5569, 46.0188, 36.7238**, and **7.3445, 7.7509, 4.7234** is the 20% darker color. If you saturate the color by 10%, you get **19.1847, 20.2163, 12.1890**, and if you desaturate by 10%, it is **21.5568, 22.7826, 19.6933**.

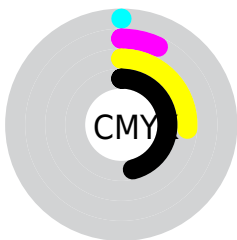
Distribution



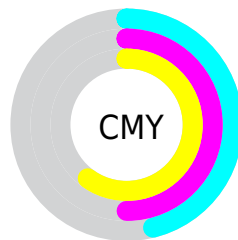
- Red (54%)
- Green (50%)
- Blue (40%)



- Red (45%)
- Yellow (54%)
- Blue (40%)



- Cyan (0%)
- Magenta (7%)
- Yellow (26%)
- Black (46%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3042, 21.4564, 15.6417 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 20.3042, 21.4564, 15.6417 by changing the saturation by 10% instead.

■ 20.3042, 21.4564,
15.6417

■ 20.3042, 21.4564,
15.6417

246.3595,
259.6942, 238.9912

■ 12.7259, 13.4580,
9.1194

■ 43.4267, 45.8459,
36.7331

■ 7.3158, 7.7447,
4.7212

■ 59.7016, 63.0058,
52.1393

■ 3.7084, 3.9320,
2.0288

■ 79.6060, 83.9883,
71.3439

■ 1.5385, 1.6356,
0.5729

■ 103.5054,
109.1778, 94.7654

■ 0.3518, 0.3814,
0.0000

131.7651,
138.9588, 122.8223

■ 0.0000, 0.0000,
0.0000

164.7505,

173.7156, 155.9332

202.8268,
213.8326, 194.5167

■ 20.3042, 21.4564,
15.6417

■ 20.3042, 21.4564,
15.6417

■ 19.1847, 20.2163,
12.1890

■ 21.5568, 22.7826,
19.6933

■ 18.1909, 19.0568,
9.3048

■ 22.9461, 24.1946,
24.3696

■ 17.3171, 17.9760,
6.9579

■ 24.4777, 25.6956,
29.6964

■ 16.5565, 16.9708,
5.1137

■ 26.1564, 27.2879,
35.6979

■ 15.9016, 16.0378,
3.7334

■ 27.9868, 28.9735,
42.3967

■ 15.3436, 15.1733,
2.7726

■ 29.9730, 30.7547,
49.8147

■ 14.8700, 14.3716,
2.1655

■ 32.1194, 32.6333,
57.9725

■ 14.6720, 14.0291,
1.9346

■ 34.4298, 34.6112,
66.8901

■ 36.9080, 36.6903,
76.5867

Harmonies

Analogous

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



21.8825, 21.4564, 16.4568



20.3042, 21.4564, 15.6417



18.8264, 21.4564, 16.6608

Triad

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



20.3042, 21.4564, 15.6417



17.8952, 21.4564, 28.2808



23.2120, 21.4564, 27.7790

Complementary

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



20.3042, 21.4564, 15.6417



15.7890, 16.2189, 25.9655

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.



22.0456, 21.4564, 31.6560



20.3042, 21.4564, 15.6417



18.9739, 21.4564, 31.9713

Square

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



20.3042, 21.4564, 15.6417



17.4812, 21.4564, 23.6199



20.4834, 21.4564, 33.2793



23.6129, 21.4564, 23.1067

Rectangle

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



20.3042, 21.4564, 15.6417



18.0827, 21.4564, 18.3315



20.4834, 21.4564, 33.2793



22.8936, 21.4564, 29.2386

Sweetspot

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



20.3048, 21.4574, 15.6422



40.4133, 42.6476, 41.3280



18.0207, 16.0024, 17.6148



8.9879, 9.4883, 9.0102



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.



20.3048, 21.4574, 15.6422



35.1035, 37.0444, 24.0932



20.5501, 23.5967, 16.0422



5.3124, 5.6076, 5.3548



13.6773, 13.0889, 1.8055



0.1034, 0.1120, 0.0162

Inverse Universe

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



15.7890, 16.2189, 25.9655



25.5066, 25.9144, 46.0408



15.5737, 14.5604, 25.6567



4.8835, 5.1099, 6.3348



4.8952, 3.0607, 22.3785



0.0438, 0.0428, 0.1524

Previews

White Background



This preview shows how the XYZ color 20.3042, 21.4564, 15.6417 looks on a white background.

Color Contrast Check

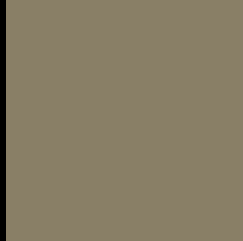
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.3042, 21.4564, 15.6417 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

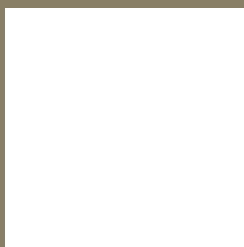
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.3042, 21.4564, 15.6417

Background



This preview shows how black text looks on a background with the XYZ color 20.3042, 21.4564, 15.6417.



This preview shows how white text looks on a background with the XYZ color 20.3042, 21.4564,

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

20.3042, 21.4564, 15.6417

Protanopia

20.1410, 21.3723, 15.6341

Deuteranopia

21.9256, 21.5348, 15.8330



Tritanopia

22.2323, 21.4946, 24.8069

Trichromacy



Original Color

20.3042, 21.4564, 15.6417

Protanomaly

20.1410, 21.3723, 15.6341

Deuteranomaly

21.3329, 21.4143, 15.8410

Tritanomaly

21.4741, 21.3712, 21.0824

Monochromacy



Original Color

20.3042, 21.4564, 15.6417

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 20.3042, 21.4564, 15.6417 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, 102)` looks like.

```
.text, #text, p{  
    color:rgb(137, 127, 102)  
}
```

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, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 127, 102) }
```

Border

The CSS property to change the border of an element to XYZ 20.3042, 21.4564, 15.6417 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, 102) }
```


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

```
.border{ border-color:rgb(137, 127, 102) }
```

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, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 127, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 127, 102);  
box-shadow:4px 4px 4px 4px rgb(137, 127,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3042, 21.4564, 15.6417 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, 102) }
```

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

```
.background{ background-color: rgb(137,  
127, 102) }
```

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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