

Converting Colors

XYZ(19.8784, 24.5461, 16.5221)

Have a look what the booklet for
XYZ(19.8784, 24.5461, 16.5221)
contains.

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Color

**XYZ(19.8784, 24.5461,
16.5221)**

Conversions

Conversions Part 1

Format	Color
Hex	778F67
RGB	119, 143, 103
RGB Percent	47%, 56%, 40%
CMY	0.5333, 0.4392, 0.5961
CMYK	0.17, 0.00, 0.28, 0.44
HSL	96°, 16%, 48%
HSV	96°, 28%, 56%
XYZ	19.8784, 24.5461, 16.5221
YIQ	131.2640, -1.4640, -17.5280

Conversions

Conversions Part 2

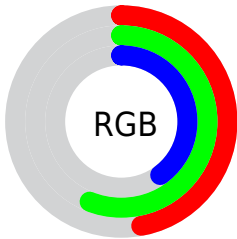
Format	Color
R_{YB}	103, 143, 127
Decimal	7835495
CIE _{Lab}	56.63, -16.27, 18.55
CIE _{LCh}	57, 24.674, 131.257
Yxy	24.5461, 0.3262, 0.4027
Android (android.graphics.Color)	4286025575 (0xFF778F67)
YUV	131.2640, -13.9342, -10.7555
Hunter-Lab	49.5440, -15.0830, 14.9086

Details

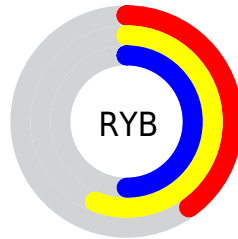
The XYZ color **19.8784, 24.5461, 16.5221** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **18.5615, 16.1963, 28.1358**, and the grayscale version is **21.7170, 22.8480, 24.8814**.

A 20% lighter version of the original color is **42.8122, 51.0363, 38.1664**, and **7.1539, 9.4163, 5.1819** is the 20% darker color. If you saturate the color by 10%, you get **18.0964, 23.7041, 13.0071**, and if you desaturate by 10%, it is **21.8908, 25.4941, 20.6898**.

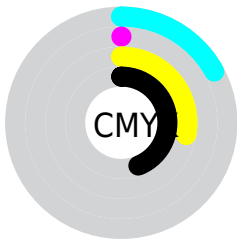
Distribution



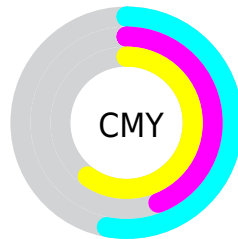
- Red (47%)
- Green (56%)
- Blue (40%)



- Red (40%)
- Yellow (56%)
- Blue (50%)



- Cyan (17%)
- Magenta (0%)
- Yellow (28%)
- Black (44%)



- Cyan (53%)
- Magenta (44%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.8784, 24.5461, 16.5221 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 19.8784, 24.5461, 16.5221 by changing the saturation by 10% instead.

■ 19.8784, 24.5461,
16.5221

■ 19.8784, 24.5461,
16.5221

244.1022,
275.5699, 244.3531

■ 12.4144, 15.7392,
9.7360

■ 42.7187, 50.9199,
38.2816

■ 7.1008, 9.3398,
5.1210

■ 58.8258, 69.2556,
54.0920

■ 3.5721, 4.9635,
2.2584

■ 78.5446, 91.5364,
73.7477

■ 1.4630, 2.2258,
0.7078

■ 102.2405,
118.1466, 97.6671

■ 0.3005, 0.7340,
0.0000

130.2788,
149.4706, 126.2689

■ 0.0000, 0.0000,
0.0000

163.0250,

185.8930, 159.9714

200.8443,
227.7979, 199.1933

■ 19.8784, 24.5461,
16.5221

■ 19.8784, 24.5461,
16.5221

■ 18.0964, 23.7041,
13.0071

■ 21.8908, 25.4941,
20.6898

■ 16.5338, 22.9611,
10.1101

■ 24.1403, 26.5488,
25.5393

■ 15.1817, 22.3139,
7.7957

■ 26.6354, 27.7145,
31.0999

■ 14.0293, 21.7578,
6.0244

■ 29.3838, 28.9948,
37.3985

■ 13.0652, 21.2880,
4.7515

■ 32.3928, 30.3928,
44.4610

■ 12.2760, 20.8986,
3.9254

■ 35.6694, 31.9116,
52.3117

■ 11.6387, 20.5801,
3.4422

■ 39.2202, 33.5541,
60.9740

■ 11.5215, 20.5215,
3.3538

■ 43.0518, 35.3231,
70.4703

■ 47.1703, 37.2214,
80.8221

Harmonies

Analogous

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



22.2700, 24.5461, 14.0333



19.8784, 24.5461, 16.5221



18.4866, 24.5461, 21.9646

Triad

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



19.8784, 24.5461, 16.5221



21.6023, 24.5461, 44.6526



29.1696, 24.5461, 23.7597

Complementary

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



19.8784, 24.5461, 16.5221



18.5615, 16.1963, 28.1358

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.



28.9538, 24.5461, 32.1313



19.8784, 24.5461, 16.5221



24.4238, 24.5461, 45.4085

Square

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



19.8784, 24.5461, 16.5221



19.4241, 24.5461, 38.5570



27.1604, 24.5461, 40.4496



27.7280, 24.5461, 17.6034

Rectangle

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



19.8784, 24.5461, 16.5221



18.2384, 24.5461, 27.0745



27.1604, 24.5461, 40.4496



29.2914, 24.5461, 26.3815

Sweetspot

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



19.8790, 24.5472, 16.5226



43.1462, 47.5035, 45.5522



21.3662, 21.9986, 15.9523



9.7602, 10.8308, 10.1528



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.



19.8790, 24.5472, 16.5226



33.4010, 42.9197, 25.2166



18.0705, 23.5911, 17.5114



5.5343, 6.1280, 5.7805



10.2092, 18.1556, 2.9663



0.1213, 0.1858, 0.0295

Inverse Universe

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



18.5615, 16.1963, 28.1358



30.6092, 25.2425, 49.7970



20.8390, 17.4048, 26.6884



5.4203, 5.4049, 6.7863



7.7852, 3.5070, 23.2437



0.0994, 0.0464, 0.2234

Previews

White Background



This preview shows how the XYZ color 19.8784, 24.5461, 16.5221 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 19.8784, 24.5461, 16.5221 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

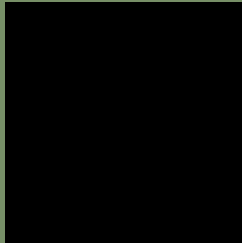
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.8784, 24.5461, 16.5221

Background



This preview shows how black text looks on a background with the XYZ color 19.8784, 24.5461, 16.5221.



This preview shows how white text looks on a background with the XYZ color 19.8784, 24.5461,

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

19.8784, 24.5461, 16.5221

Protanopia

22.8183, 24.3590, 15.5557

Deuteranopia

24.8822, 24.3768, 17.0294



Tritanopia

22.8951, 24.4651, 31.5325

Trichromacy



Original Color

19.8784, 24.5461, 16.5221

Protanomaly

21.5908, 24.3508, 15.8741

Deuteranomaly

22.7154, 24.2772, 16.8533

Tritanomaly

21.5659, 24.3421, 25.3917

Monochromacy



Original Color

19.8784, 24.5461, 16.5221

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

20.8676, 23.2204, 21.4713

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.8784, 24.5461, 16.5221 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(119, 143, 103)` looks like.

```
.text, #text, p{  
    color:rgb(119, 143, 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(119, 143, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 143, 103) }
```

Border

The CSS property to change the border of an element to XYZ 19.8784, 24.5461, 16.5221 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(119, 143, 103) }
```


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

```
.border{ border-color:rgb(119, 143, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 143, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 143, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 143, 103);  
box-shadow:4px 4px 4px 4px rgb(119, 143,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 19.8784, 24.5461, 16.5221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 143, 103) }
```

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

```
.background{ background-color: rgb(119,  
143, 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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