

Converting Colors

XYZ(19.8326, 28.4830, 15.4293)

Have a look what the booklet for
XYZ(19.8326, 28.4830, 15.4293)
contains.

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Color

**XYZ(19.7650, 28.3501,
15.4967)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|------------------------------|
| Hex | 649F60 |
| RGB | 100, 159, 96 |
| RGB Percent | 39%, 62%, 38% |
| CMY | 0.6078, 0.3765, 0.6235 |
| CMYK | 0.37, 0.00, 0.40, 0.38 |
| HSL | 116°, 25%, 50% |
| HSV | 116°, 40%, 62% |
| XYZ | 19.7650, 28.3501, 15.4967 |
| YIQ | 134.1770, -14.9410, -32.1010 |

Conversions

Conversions Part 2

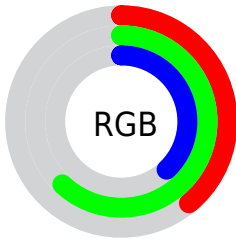
| Format | Color |
|-------------------------------------|---------------------------------|
| R_{YB} | 96, 159, 155 |
| Decimal | 6594400 |
| CIE _{Lab} | 60.20, -32.24, 26.96 |
| CIE _{LCh} | 60, 42.029, 140.091 |
| Yxy | 28.3501, 0.3107, 0.4457 |
| Android (android.graphics.Color) | 4284784480 (0xFF649F60) |
| YUV | 134.1770, -18.8213, -29.9732 |
| Hunter-Lab | 53.2448, -26.9175, 20.0152 |

Details

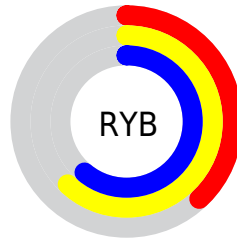
The XYZ color **19.7650, 28.3501, 15.4967** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **23.9596, 17.8383, 34.9827**, and the grayscale version is **22.7967, 23.9839, 26.1185**.

A 20% lighter version of the original color is **42.4499, 56.9720, 36.3631**, and **7.0578, 11.3818, 4.6212** is the 20% darker color. If you saturate the color by 10%, you get **17.6067, 27.3145, 11.9533**, and if you desaturate by 10%, it is **22.3739, 29.6025, 19.8353**.

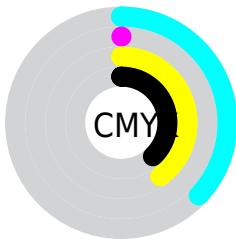
Distribution



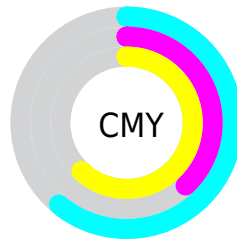
- Red (39%)
- Green (62%)
- Blue (38%)



- Red (38%)
- Yellow (62%)
- Blue (61%)



- Cyan (37%)
- Magenta (0%)
- Yellow (40%)
- Black (38%)



- Cyan (61%)
- Magenta (38%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.7650, 28.3501, 15.4967 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 19.7650, 28.3501, 15.4967 by changing the saturation by 10% instead.

■ 19.7650, 28.3501,
15.4967

■ 19.7650, 28.3501,
15.4967

243.4980,
294.1361, 238.0967

■ 12.3316, 18.5897,
9.0182

■ 42.5298, 57.0429,
36.4768

■ 7.0437, 11.3742,
4.6561

■ 58.5919, 76.7441,
51.8154

■ 3.5360, 6.3191,
1.9918

■ 78.2610, 100.5278,
70.9446

■ 1.4432, 3.0401,
0.5502

■ 101.9023,
128.7783, 94.2828

■ 0.2867, 1.1527,
0.0000

129.8814,
161.8799, 122.2486

■ 0.0000, 0.0226,
0.0000

162.5634,

■ 0.0000, 0.0000,

200.2172, 155.2604

0.0000

200.3138,
244.1744, 193.7370

■ 19.7650, 28.3501,
15.4967

■ 19.7650, 28.3501,
15.4967

■ 17.6067, 27.3145,
11.9533

■ 22.3739, 29.6025,
19.8353

■ 15.8714, 26.4801,
9.1552

■ 25.4546, 31.0793,
25.0112

■ 14.5320, 25.8348,
7.0497


■ 29.0297, 32.7921,
31.0660


■ 13.5570, 25.3638,
5.5764


■ 33.1195, 34.7504,
38.0378


■ 12.9105, 25.0500,
4.6647


■ 37.7434, 36.9634,
45.9625


 12.5355, 24.8675,
4.1564

 42.9196, 39.4400,
54.8740

 12.5250, 24.8625,
4.1388

 48.6654, 42.1882,
64.8047

 54.9977, 45.2162,
75.7854

 61.9323, 48.5313,
87.8456

Harmonies

Analogous

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



23.5467, 28.3501, 10.5688



19.7650, 28.3501, 15.4967



17.9870, 28.3501, 26.0462

Triad

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



19.7650, 28.3501, 15.4967



25.2049, 28.3501, 70.2111



37.8742, 28.3501, 21.7698

Complementary

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



19.7650, 28.3501, 15.4967



23.9596, 17.8383, 34.9827

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.



38.4735, 28.3501, 36.2519



19.7650, 28.3501, 15.4967



30.6575, 28.3501, 67.8839

Square

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



19.7650, 28.3501, 15.4967



20.8397, 28.3501, 59.6230



35.6843, 28.3501, 54.0411



34.1417, 28.3501, 13.2651

Rectangle

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



19.7650, 28.3501, 15.4967



17.9914, 28.3501, 36.3551



35.6843, 28.3501, 54.0411



38.4662, 28.3501, 25.9636

Sweetspot

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



19.7657, 28.3513, 15.4973



50.2319, 57.8843, 52.6535



28.0987, 31.5930, 15.6838



11.1465, 12.9646, 11.5684



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



19.7657, 28.3513, 15.4973



31.7796, 49.0353, 21.8120



20.8168, 28.7219, 23.2850



6.5878, 7.4202, 7.0707



9.9059, 19.6434, 3.2695



0.1872, 0.3565, 0.0589

Inverse Universe

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



23.9596, 17.8383, 34.9827



40.3956, 27.3980, 61.9027



22.6263, 17.3951, 23.8883



6.8626, 6.7331, 8.3446



14.7321, 7.0237, 26.4865



0.2746, 0.1314, 0.4741

Previews

White Background



This preview shows how the XYZ color 19.7650, 28.3501, 15.4967 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 19.7650, 28.3501, 15.4967 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 19.7650, 28.3501, 15.4967

Background



This preview shows how black text looks on a background with the XYZ color 19.7650, 28.3501, 15.4967.



This preview shows how white text looks on a background with the XYZ color 19.7650, 28.3501,

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

19.7650, 28.3501, 15.4967

Protanopia

25.9193, 27.9538, 13.7024

Deuteranopia

28.4507, 27.8872, 16.1952



Tritanopia

24.4875, 28.2883, 38.8199

Trichromacy



Original Color

19.7650, 28.3501, 15.4967

Protanomaly

22.9957, 27.5860, 14.2378

Deuteranomaly

24.3851, 27.5696, 15.8406

Tritanomaly

22.4001, 28.1634, 28.6816

Monochromacy



Original Color

19.7650, 28.3501, 15.4967

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

21.2387, 25.1386, 21.5021

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7650, 28.3501, 15.4967 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(100, 159, 96)` looks like.

```
.text, #text, p{  
    color:rgb(100, 159, 96)  
}
```

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(100, 159, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 159, 96) }
```

Border

The CSS property to change the border of an element to XYZ 19.7650, 28.3501, 15.4967 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(100, 159, 96) }
```


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

```
.border{ border-color:rgb(100, 159, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 159, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 159, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 159, 96);  
box-shadow:4px 4px 4px 4px rgb(100, 159,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 19.7650, 28.3501, 15.4967 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 159, 96) }
```

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

```
.background{ background-color: rgb(100,  
159, 96) }
```

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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