

Converting Colors

XYZ(15.7423, 19.0731, 16.0253)

Have a look what the booklet for
XYZ(15.7423, 19.0731, 16.0253)
contains.

XYZ(15.7970, 19.1213, 15.9549)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(15.7970, 19.1213,
15.9549)**

Conversions

Conversions Part 1

Format	Color
Hex	687F68
RGB	104, 127, 104
RGB Percent	41%, 50%, 41%
CMY	0.5922, 0.5019, 0.5922
CMYK	0.18, 0.00, 0.18, 0.50
HSL	120°, 10%, 45%
HSV	120°, 18%, 50%
XYZ	15.7970, 19.1213, 15.9549
YIQ	117.5010, -6.3250, -12.0290

Conversions

Conversions Part 2

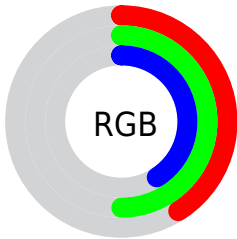
Format	Color
RYB	104, 127, 127
Decimal	6848360
CIELab	50.83, -13.15, 9.78
CIElCh	51, 16.390, 143.358
Yxy	19.1213, 0.3105, 0.3759
Android (android.graphics.Color)	4285038440 (0xFF687F68)
YUV	117.5010, -6.6560, -11.8404
Hunter-Lab	43.7279, -12.0395, 8.9765

Details

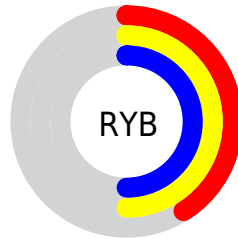
The XYZ color **15.7970, 19.1213, 15.9549** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **17.5342, 15.9454, 22.2332**, and the grayscale version is **17.0860, 17.9758, 19.5757**.

A 20% lighter version of the original color is **35.7552, 41.9776, 37.2283**, and **5.0938, 6.5849, 4.8734** is the 20% darker color. If you saturate the color by 10%, you get **13.8352, 18.1795, 12.7456**, and if you desaturate by 10%, it is **18.0791, 20.2181, 19.6873**.

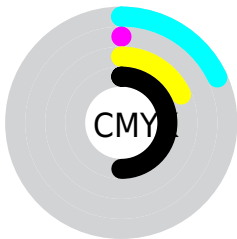
Distribution



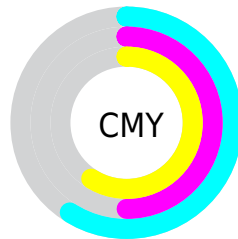
- Red (41%)
- Green (50%)
- Blue (41%)



- Red (41%)
- Yellow (50%)
- Blue (50%)



- Cyan (18%)
- Magenta (0%)
- Yellow (18%)
- Black (50%)



- Cyan (59%)
- Magenta (50%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.7970, 19.1213, 15.9549 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 15.7970, 19.1213, 15.9549 by changing the saturation by 10% instead.

■ 15.7970, 19.1213,
15.9549

■ 15.7970, 19.1213,
15.9549

221.4349,
247.1176, 240.9121

■ 9.4706, 11.7580,
9.3382

■ 35.8057, 41.9390,
37.2856

■ 5.1089, 6.5791,
4.8626

■ 50.2187, 58.1621,
52.8367

■ 2.3467, 3.2003,
2.1096

■ 68.0579, 78.1072,
72.2030

■ 0.8184, 1.2372,
0.6215

■ 89.6887, 102.1589,
95.8031

■ 0.0000, 0.0918,
0.0000

115.4765,
130.7013, 124.0556

■ 0.0000, 0.0000,
0.0000

145.7865,

164.1190, 157.3788

180.9842,
202.7963, 196.1915

■ 15.7970, 19.1213,
15.9549

■ 15.7970, 19.1213,
15.9549

■ 13.8352, 18.1795,
12.7456

■ 18.0791, 20.2181,
19.6873

■ 12.1778, 17.3834,
10.0347

■ 20.6933, 21.4738,
23.9632

■ 10.8102, 16.7265,
7.7977

■ 23.6526, 22.8953,
28.8038

■ 9.7157, 16.2007,
6.0074

■ 26.9691, 24.4884,
34.2284

■ 8.8759, 15.7973,
4.6338

■ 30.6540, 26.2584,
40.2556

■ 8.2704, 15.5065,
3.6433

■ 34.7181, 28.2107,
46.9032

■ 7.8753, 15.3167,
2.9970

■ 39.1720, 30.3501,
54.1883

■ 7.6329, 15.2002,
2.6006

■ 44.0256, 32.6815,
62.1271

■ 7.5898, 15.1795,
2.5300

■ 49.2885, 35.2096,
70.7355

Harmonies

Analogous

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



16.9718, 19.1213, 13.6823



15.7970, 19.1213, 15.9549



15.2637, 19.1213, 19.8090

Triad

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



15.7970, 19.1213, 15.9549



17.8178, 19.1213, 30.9502



21.1735, 19.1213, 17.4923

Complementary

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



15.7970, 19.1213, 15.9549



17.5342, 15.9454, 22.2332

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.



21.4330, 19.1213, 21.8645



15.7970, 19.1213, 15.9549



19.4321, 19.1213, 30.0876

Square

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



15.7970, 19.1213, 15.9549



16.3850, 19.1213, 28.7931



20.7787, 19.1213, 26.5850



20.0892, 19.1213, 14.4738

Rectangle

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



15.7970, 19.1213, 15.9549



15.3200, 19.1213, 22.9406



20.7787, 19.1213, 26.5850



21.3626, 19.1213, 18.8340

Sweetspot

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



15.7975, 19.1221, 15.9553



33.7112, 36.8465, 37.4411



18.8413, 20.6913, 16.0977



7.8298, 8.5965, 8.6631



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



15.7975, 19.1221, 15.9553



26.6689, 33.4637, 25.9221



16.4222, 19.3720, 19.2451



4.2760, 4.8187, 4.6249



7.6541, 15.3082, 2.5514



0.0000, 0.0000, 0.0000

Inverse Universe

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



17.5342, 15.9454, 22.2332



30.4213, 26.5997, 39.4869



16.8267, 15.6624, 18.5078



4.4982, 4.4124, 5.4279



12.6904, 6.0958, 20.7571



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 15.7970, 19.1213, 15.9549 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 15.7970, 19.1213, 15.9549 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 15.7970, 19.1213, 15.9549

Background



This preview shows how black text looks on a background with the XYZ color 15.7970, 19.1213, 15.9549.



This preview shows how white text looks on a background with the XYZ color 15.7970, 19.1213,

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

15.7970, 19.1213, 15.9549

Protanopia

17.8178, 18.8846, 15.0179

Deuteranopia

19.3281, 18.9347, 16.2717



Tritanopia

17.6233, 19.1106, 24.9502

Trichromacy



Original Color

15.7970, 19.1213, 15.9549

Protanomaly

17.0890, 19.0472, 15.3462

Deuteranomaly

17.8705, 18.8885, 16.0686

Tritanomaly

16.7839, 18.9462, 21.1847

Monochromacy



Original Color

15.7970, 19.1213, 15.9549

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

16.6281, 18.3777, 18.2936

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.7970, 19.1213, 15.9549 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(104, 127, 104)` looks like.

```
.text, #text, p{  
    color:rgb(104, 127, 104)  
}
```

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(104, 127, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 127, 104) }
```

Border

The CSS property to change the border of an element to XYZ 15.7970, 19.1213, 15.9549 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(104, 127, 104) }
```


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

```
.border{ border-color:rgb(104, 127, 104) }
```

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

Here you see how a box with a 4 pixel rgb(104, 127, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 127, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 127, 104);  
box-shadow:4px 4px 4px 4px rgb(104, 127,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 15.7970, 19.1213, 15.9549 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 127, 104) }
```

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

```
.background{ background-color: rgb(104,  
127, 104) }
```

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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