

Converting Colors

XYZ(19.9627, 19.7916, 15.9875)

Have a look what the booklet for
XYZ(19.9627, 19.7916, 15.9875)
contains.

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Color

**XYZ(19.9107, 19.7686,
15.8630)**

Conversions

Conversions Part 1

Format	Color
Hex	8C7768
RGB	140, 119, 104
RGB Percent	55%, 47%, 41%
CMY	0.4510, 0.5333, 0.5922
CMYK	0.00, 0.15, 0.26, 0.45
HSL	25°, 15%, 48%
HSV	25°, 26%, 55%
XYZ	19.9107, 19.7686, 15.8630
YIQ	123.5690, 17.3310, -0.2130

Conversions

Conversions Part 2

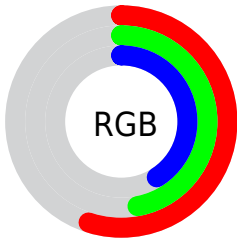
Format	Color
RYB	140, 130, 104
Decimal	9205608
CIELab	51.57, 5.68, 11.27
CIELCh	52, 12.621, 63.244
Yxy	19.7686, 0.3585, 0.3559
Android (android.graphics.Color)	4287395688 (0xFF8C7768)
YUV	123.5690, -9.6475, 14.4100
Hunter-Lab	44.4619, 2.1267, 9.9700

Details

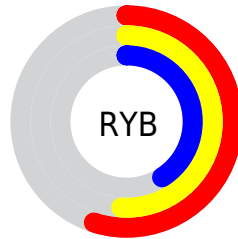
The XYZ color **19.9107, 19.7686, 15.8630** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **17.7759, 19.5030, 27.6385**, and the grayscale version is **19.0423, 20.0340, 21.8170**.

A 20% lighter version of the original color is **42.7274, 42.9617, 37.0508**, and **7.1116, 6.9257, 4.8329** is the 20% darker color. If you saturate the color by 10%, you get **18.3275, 17.6473, 12.1134**, and if you desaturate by 10%, it is **21.6965, 22.1060, 20.2632**.

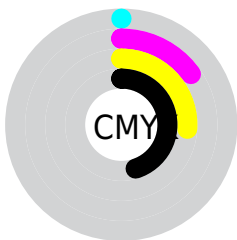
Distribution



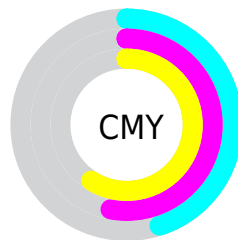
- Red (55%)
- Green (47%)
- Blue (41%)



- Red (55%)
- Yellow (51%)
- Blue (41%)



- Cyan (0%)
- Magenta (15%)
- Yellow (26%)
- Black (45%)



- Cyan (45%)
- Magenta (53%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9107, 19.7686, 15.8630 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 19.9107, 19.7686, 15.8630 by changing the saturation by 10% instead.

■ 19.9107, 19.7686,
15.8630

■ 19.9107, 19.7686,
15.8630

244.2741,
250.6596, 240.3500

■ 12.4380, 12.2270,
9.2740

■ 42.7725, 43.0289,
37.1237

■ 7.1170, 6.8984,
4.8211

■ 58.8923, 59.5163,
52.6324

■ 3.5824, 3.3987,
2.0858

■ 78.6253, 79.7544,
71.9514

■ 1.4687, 1.3432,
0.6073

■ 102.3367,
104.1277, 95.4993

■ 0.3044, 0.1743,
0.0000

130.3919,
133.0204, 123.6945

■ 0.0000, 0.0000,
0.0000

163.1563,

166.8171, 156.9557

200.9953,
205.9020, 195.7013

■ 19.9107, 19.7686,
15.8630

■ 19.9107, 19.7686,
15.8630

■ 18.3275, 17.6473,
12.1134

■ 21.6965, 22.1060,
20.2632

■ 16.9375, 15.7328,
8.9817

■ 23.6909, 24.6629,
25.3419

■ 15.7327, 14.0193,
6.4343

■ 25.9013, 27.4462,
31.1270

■ 14.7039, 12.4992,
4.4340

■ 28.3344, 30.4615,
37.6444

■ 13.8409, 11.1649,
2.9390

■ 30.9967, 33.7144,
44.9187

■ 13.1324, 10.0077,
1.9014

■ 33.8943, 37.2101,
52.9733

■ 12.5624, 9.0171,
1.2507

■ 37.0330, 40.9538,
61.8307

■ 12.3458, 8.6366,
1.0163

■ 40.4184, 44.9503,
71.5123

■ 44.0561, 49.2044,
82.0389

Harmonies

Analogous

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



20.9072, 19.7686, 17.9130



19.9107, 19.7686, 15.8630



18.6516, 19.7686, 15.2686

Triad

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



19.9107, 19.7686, 15.8630



16.4548, 19.7686, 21.9229



20.1606, 19.7686, 27.9213

Complementary

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



19.9107, 19.7686, 15.8630



17.7759, 19.5030, 27.6385

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.



18.9280, 19.7686, 29.2915



19.9107, 19.7686, 15.8630



16.8198, 19.7686, 25.5918

Square

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



19.9107, 19.7686, 15.8630



16.6917, 19.7686, 18.5264



17.7111, 19.7686, 28.3947



21.0560, 19.7686, 24.8300

Rectangle

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



19.9107, 19.7686, 15.8630



17.8419, 19.7686, 15.7156



17.7111, 19.7686, 28.3947



19.7700, 19.7686, 28.6133

Sweetspot

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



19.9112, 19.7695, 15.8634



40.8702, 42.3387, 42.3673



19.4673, 16.9569, 21.6491



9.3039, 9.6107, 9.4716



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



19.9112, 19.7695, 15.8634



33.4041, 32.5874, 23.9062



22.2596, 24.4663, 16.6462



5.1930, 5.3688, 5.3150



10.9885, 7.7114, 0.9093



0.0869, 0.0791, 0.0107

Inverse Universe

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



17.7759, 19.5030, 27.6385



28.9609, 32.0301, 48.3990



15.7004, 15.3521, 26.9467



5.0010, 5.3450, 6.3739



6.8836, 7.0376, 23.0413



0.0602, 0.0757, 0.1579

Previews

White Background



This preview shows how the XYZ color 19.9107, 19.7686, 15.8630 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 19.9107, 19.7686, 15.8630 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 19.9107, 19.7686, 15.8630

Background



This preview shows how black text looks on a background with the XYZ color 19.9107, 19.7686, 15.8630.



This preview shows how white text looks on a background with the XYZ color 19.9107, 19.7686,

15.8630.

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

19.9107, 19.7686, 15.8630

Protanopia

18.7377, 19.8737, 16.4841

Deuteranopia

20.1325, 19.7071, 15.8395



Tritanopia

21.1024, 19.7222, 22.0966

Trichromacy



Original Color

19.9107, 19.7686, 15.8630

Protanomaly

19.1822, 19.9255, 16.1996

Deuteranomaly

19.9616, 19.6191, 15.8315

Tritanomaly

20.5567, 19.6697, 19.5428

Monochromacy



Original Color

19.9107, 19.7686, 15.8630

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

19.3763, 19.9492, 19.6590

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9107, 19.7686, 15.8630 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(140, 119, 104)` looks like.

```
.text, #text, p{  
    color:rgb(140, 119, 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(140, 119, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 119, 104) }
```

Border

The CSS property to change the border of an element to XYZ 19.9107, 19.7686, 15.8630 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(140, 119, 104) }
```


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

```
.border{ border-color:rgb(140, 119, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 119, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 119, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 119, 104);  
box-shadow:4px 4px 4px 4px rgb(140, 119,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9107, 19.7686, 15.8630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 119, 104) }
```

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

```
.background{ background-color: rgb(140,  
119, 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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