

Converting Colors

XYZ(19.7850, 22.7650, 23.7887)

Have a look what the booklet for
XYZ(19.7850, 22.7650, 23.7887)
contains.

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Color

**XYZ(19.7707, 22.8117,
23.7831)**

Conversions

Conversions Part 1

Format	Color
Hex	738880
RGB	115, 136, 128
RGB Percent	45%, 53%, 50%
CMY	0.5490, 0.4667, 0.4980
CMYK	0.15, 0.00, 0.06, 0.47
HSL	157°, 8%, 49%
HSV	157°, 15%, 53%
XYZ	19.7707, 22.8117, 23.7831
YIQ	128.8090, -9.9480, -6.9400

Conversions

Conversions Part 2

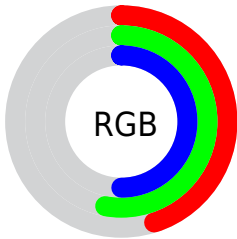
Format	Color
R_{YB}	115, 128, 136
Decimal	7571584
CIE _{Lab}	54.88, -9.25, 1.76
CIE _{LCh}	55, 9.419, 169.260
Yxy	22.8117, 0.2979, 0.3437
Android (android.graphics.Color)	4285761664 (0xFF738880)
YUV	128.8090, -0.3988, -12.1105
Hunter-Lab	47.7616, -9.6935, 3.9094

Details

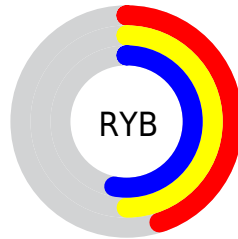
The XYZ color **19.7707, 22.8117, 23.7831** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **19.8601, 18.9264, 21.3465**, and the grayscale version is **20.8038, 21.8872, 23.8352**.

A 20% lighter version of the original color is **42.4744, 47.9469, 50.7321**, and **7.0538, 8.4134, 8.6493** is the 20% darker color. If you saturate the color by 10%, you get **17.7803, 21.8246, 21.9549**, and if you desaturate by 10%, it is **22.0437, 23.9437, 25.7164**.

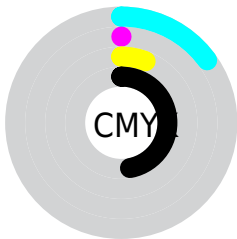
Distribution



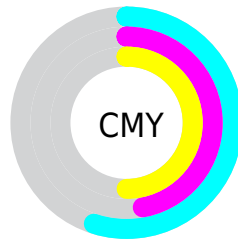
- Red (45%)
- Green (53%)
- Blue (50%)



- Red (45%)
- Yellow (50%)
- Blue (53%)



- Cyan (15%)
- Magenta (0%)
- Yellow (6%)
- Black (47%)



- Cyan (55%)
- Magenta (47%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.7707, 22.8117, 23.7831 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 19.7707, 22.8117, 23.7831 by changing the saturation by 10% instead.

■ 19.7707, 22.8117,
23.7831

■ 19.7707, 22.8117,
23.7831

243.5284,
266.7564, 284.9732

■ 12.3358, 14.4545,
14.9621

■ 42.5393, 48.0840,
50.6154

■ 7.0466, 8.4375,
8.6465

■ 58.6037, 65.7678,
69.4638

■ 3.5379, 4.3761,
4.4177

■ 78.2752, 87.3294,
92.4917

■ 1.4442, 1.8861,
1.8572

101.9193,
113.1530, 120.1177

■ 0.2874, 0.5400,
0.4653

129.9014,
143.6232, 152.7603

■ 0.0000, 0.0000,
0.0000

162.5866,

179.1242, 190.8381

200.3405,
220.0404, 234.7695

■ 19.7707, 22.8117,
23.7831

■ 19.7707, 22.8117,
23.7831

■ 17.7803, 21.8246,
21.9549

■ 22.0437, 23.9437,
25.7164

■ 16.0587, 20.9736,
20.2285

■ 24.6085, 25.2234,
27.7551

■ 14.5941, 20.2530,
18.6023

■ 27.4761, 26.6572,
29.9016

■ 13.3728, 19.6559,
17.0744

■ 30.6565, 28.2501,
32.1576

■ 12.3796, 19.1746,
15.6425

■ 34.1591, 30.0070,
34.5246

■ 11.5981, 18.8005,
14.3045

■ 37.9929, 31.9325,
37.0045

■ 11.0088, 18.5237,
13.0579

■ 42.1667, 34.0310,
39.5987

■ 10.5839, 18.3299,
11.8997

■ 46.6887, 36.3069,
42.3088

■ 10.4120, 18.2522,
11.3993

■ 51.5672, 38.7644,
45.1364

Harmonies

Analogous

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



20.1977, 22.8117, 21.2753



19.7707, 22.8117, 23.7831



19.8433, 22.8117, 26.7810

Triad

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



19.7707, 22.8117, 23.7831



22.3501, 22.8117, 30.6638



23.0171, 22.8117, 20.7358

Complementary

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



19.7707, 22.8117, 23.7831



19.8601, 18.9264, 21.3465

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.



23.6306, 22.8117, 22.9914



19.7707, 22.8117, 23.7831



23.2370, 22.8117, 28.7779

Square

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



19.7707, 22.8117, 23.7831



21.3103, 22.8117, 30.9187



23.7123, 22.8117, 25.9238



22.0577, 22.8117, 19.6120

Rectangle

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



19.7707, 22.8117, 23.7831



20.1659, 22.8117, 28.6527



23.7123, 22.8117, 25.9238



23.2719, 22.8117, 21.3780

Sweetspot

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



19.7713, 22.8127, 23.7836



38.9881, 42.2648, 45.4345



20.0750, 23.0618, 19.6134



8.9689, 9.7580, 10.4726



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.



19.7713, 22.8127, 23.7836



33.3901, 39.4799, 40.6106



19.9780, 22.3494, 26.5546



5.0934, 5.6568, 6.0128



9.8588, 17.2761, 10.8128



0.0727, 0.1176, 0.1095

Inverse Universe

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



19.8601, 18.9264, 21.3465



33.5817, 31.1005, 35.3568



19.6625, 19.3004, 18.9091



5.1066, 5.0781, 5.6498



10.1969, 5.1889, 3.5413



0.0745, 0.0372, 0.0591

Previews

White Background



This preview shows how the XYZ color 19.7707, 22.8117, 23.7831 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 19.7707, 22.8117, 23.7831 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 19.7707, 22.8117, 23.7831

Background



This preview shows how black text looks on a background with the XYZ color 19.7707, 22.8117, 23.7831.

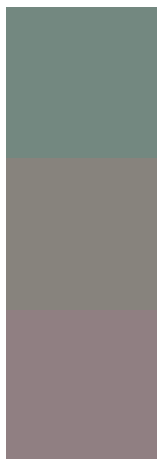


This preview shows how white text looks on a background with the XYZ color 19.7707, 22.8117,

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

19.7707, 22.8117, 23.7831

Protanopia

21.8096, 22.8642, 22.6658

Deuteranopia

23.1202, 22.7197, 24.2859



Tritanopia

21.0304, 22.9154, 29.7002

Trichromacy



Original Color

19.7707, 22.8117, 23.7831

Protanomaly

21.0555, 22.8706, 23.0434

Deuteranomaly

21.6179, 22.5368, 23.9795

Tritanomaly

20.5875, 22.9448, 27.3885

Monochromacy



Original Color

19.7707, 22.8117, 23.7831

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

20.5259, 22.3726, 24.0054

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7707, 22.8117, 23.7831 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(115, 136, 128)` looks like.

```
.text, #text, p{  
    color:rgb(115, 136, 128)  
}
```

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(115, 136, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 136, 128) }
```

Border

The CSS property to change the border of an element to XYZ 19.7707, 22.8117, 23.7831 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(115, 136, 128) }
```


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

```
.border{ border-color:rgb(115, 136, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 136, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 136, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 136, 128);  
box-shadow:4px 4px 4px 4px rgb(115, 136,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 19.7707, 22.8117, 23.7831 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 136, 128) }
```

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

```
.background{ background-color: rgb(115,  
136, 128) }
```

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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