

Converting Colors

XYZ(19.7770, 20.6904, 20.7206)

Have a look what the booklet for
XYZ(19.7770, 20.6904, 20.7206)
contains.

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Color

**XYZ(19.7770, 20.6904,
20.7206)**

Conversions

Conversions Part 1	
Format	Color
Hex	817D78
RGB	129, 125, 120
RGB Percent	51%, 49%, 47%
CMY	0.4941, 0.5098, 0.5294
CMYK	0.00, 0.03, 0.07, 0.49
HSL	33°, 4%, 49%
HSV	33°, 7%, 51%
XYZ	19.7770, 20.6904, 20.7206
YIQ	125.6260, 3.9890, -0.7070

Conversions

Conversions Part 2

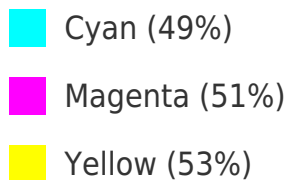
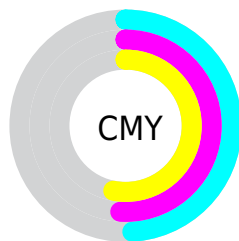
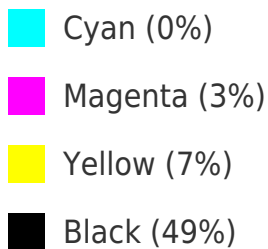
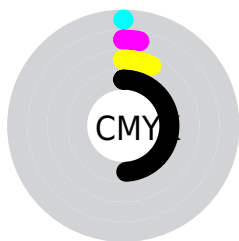
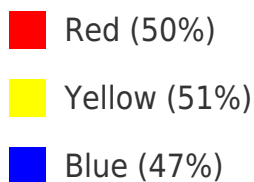
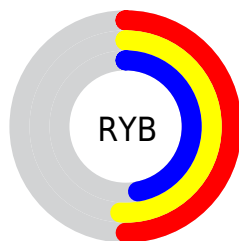
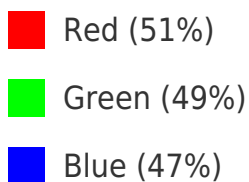
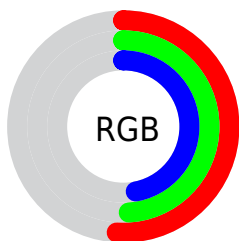
Format	Color
RYB	127, 129, 120
Decimal	8486264
CIELab	52.61, 0.56, 3.25
CIELCh	53, 3.300, 80.277
Yxy	20.6904, 0.3232, 0.3381
Android (android.graphics.Color)	4286676344 (0xFF817D78)
YUV	125.6260, -2.7736, 2.9590
Hunter-Lab	45.4867, -1.9924, 4.8323

Details

The XYZ color **19.7770, 20.6904, 20.7206** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **18.9158, 19.9930, 23.6311**, and the grayscale version is **19.7129, 20.7395, 22.5853**.

A 20% lighter version of the original color is **42.6582, 44.7644, 45.4218**, and **7.0624, 7.3422, 7.1759** is the 20% darker color. If you saturate the color by 10%, you get **18.3419, 18.9897, 16.6364**, and if you desaturate by 10%, it is **21.3606, 22.5188, 25.3752**.

Distribution



Brightness & Saturation Gradients


These gradients show how the XYZ color 19.7770, 20.6904, 20.7206 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 19.7770, 20.6904, 20.7206 by changing the saturation by 10% instead.


 19.7770, 20.6904,
20.7206


 19.7770, 20.6904,
20.7206


243.5620,
255.6285, 268.5220


 12.3404, 12.8979,
12.7307


 42.5498, 44.5717,
45.4968

 7.0498, 7.3583,
7.1148


 58.6167, 61.4293,
63.1202

 3.5399, 3.6872,
3.4545

 78.2910, 82.0773,
84.7918

 1.4453, 1.5001,
1.3311

101.9381,
106.9003, 110.9301

 0.2881, 0.2888,
0.0871

129.9235,
136.2824, 141.9538

 0.0000, 0.0000,
0.0000


162.6123,


170.6083, 178.2813


200.3700,
210.2622, 220.3312


 19.7770, 20.6904,
20.7206


 19.7770, 20.6904,
20.7206


 18.3419, 18.9897,
16.6364


 21.3606, 22.5188,
25.3752


 17.0487, 17.4109,
13.0991


 23.0956, 24.4752,
30.6200

 15.8928, 15.9517,
10.0852


 24.9870, 26.5633,
36.4753


 14.8687, 14.6088,
7.5693


 27.0391, 28.7857,
42.9603


 13.9703, 13.3785,
5.5237


 29.2559, 31.1453,
50.0930


 13.1912, 12.2569,
3.9179


 31.6412, 33.6444,
57.8910


 12.5241, 11.2399,
2.7178

 34.1989, 36.2856,
66.3711

 11.9609, 10.3229,
1.8843

 36.9326, 39.0714,
75.5494

 11.4860, 9.4983,
1.3400

 39.8458, 42.0039,
85.4416

Harmonies

Analogous

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



20.0893, 20.6904, 21.1091



19.7770, 20.6904, 20.7206



19.4383, 20.6904, 20.8056

Triad

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



19.7770, 20.6904, 20.7206



19.0545, 20.6904, 23.1881



20.1763, 20.6904, 23.7549

Complementary

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



19.7770, 20.6904, 20.7206



18.9158, 19.9930, 23.6311

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.



19.8946, 20.6904, 24.3436



19.7770, 20.6904, 20.7206



19.2479, 20.6904, 24.0098

Square

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



19.7770, 20.6904, 20.7206



19.0238, 20.6904, 22.2114



19.5546, 20.6904, 24.4383



20.3217, 20.6904, 22.8483

Rectangle

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



19.7770, 20.6904, 20.7206



19.2431, 20.6904, 21.1203



19.5546, 20.6904, 24.4383



20.0943, 20.6904, 23.9976

Sweetspot

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



19.7776, 20.6913, 20.7210



36.7809, 38.6380, 41.0851



19.4112, 19.5569, 21.8374



8.3346, 8.7564, 9.3270



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.



19.7776, 20.6913, 20.7210



35.0918, 36.6723, 36.1671



20.2257, 21.6887, 20.8899



4.5104, 4.7096, 4.5914



11.0720, 9.0404, 1.1614



0.0000, 0.0000, 0.0000

Inverse Universe

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



18.9158, 19.9930, 23.6311



33.2947, 35.2162, 42.2351



18.4875, 19.0436, 23.4704



4.2538, 4.5016, 5.4580



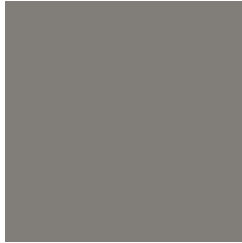
5.3084, 4.4352, 20.8262



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 19.7770, 20.6904, 20.7206 looks on a white background.

Color Contrast Check

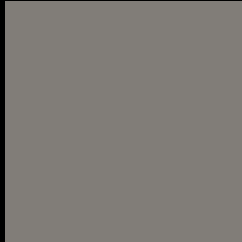
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.7770, 20.6904, 20.7206 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

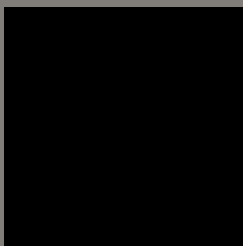
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

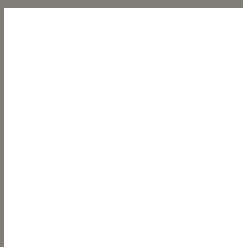
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.7770, 20.6904, 20.7206

Background



This preview shows how black text looks on a background with the XYZ color 19.7770, 20.6904, 20.7206.



This preview shows how white text looks on a background with the XYZ color 19.7770, 20.6904,

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

19.7770, 20.6904, 20.7206

Protanopia

19.7770, 20.6904, 20.7206

Deuteranopia

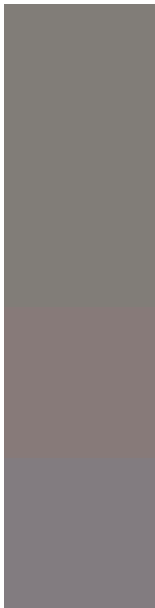
20.9360, 20.5442, 20.9511



Tritanopia

20.6767, 20.6847, 25.0931

Trichromacy



Original Color
19.7770, 20.6904, 20.7206

Protanomaly
19.7770, 20.6904, 20.7206

Deuteranomaly
20.4024, 20.4504, 20.9612

Tritanomaly
20.3099, 20.7196, 23.3509

Monochromacy



Original Color
19.7770, 20.6904, 20.7206

Achromatopsia
19.8309, 20.8637, 22.7206

Achromatomaly
19.8513, 20.8890, 22.0545

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7770, 20.6904, 20.7206 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(129, 125, 120) looks like.

```
.text, #text, p{  
    color:rgb(129, 125, 120)  
}
```

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(129, 125, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 125, 120) }
```

Border

The CSS property to change the border of an element to XYZ 19.7770, 20.6904, 20.7206 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(129, 125, 120) }
```


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

```
.border{ border-color:rgb(129, 125, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 125, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 125, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 125, 120);  
box-shadow:4px 4px 4px 4px rgb(129, 125,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 19.7770, 20.6904, 20.7206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 125, 120) }
```

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

```
.background{ background-color: rgb(129,  
125, 120) }
```

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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