

Converting Colors

XYZ(20.5680, 17.7041, 17.5563)

Have a look what the booklet for
XYZ(20.5680, 17.7041, 17.5563)
contains.

XYZ(20.5539, 17.7570, 17.6734)	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(20.5539, 17.7570,
17.6734)**

Conversions

Conversions Part 1

Format	Color
Hex	966970
RGB	150, 105, 112
RGB Percent	59%, 41%, 44%
CMY	0.4118, 0.5882, 0.5608
CMYK	0.00, 0.30, 0.25, 0.41
HSL	351°, 18%, 50%
HSV	351°, 30%, 59%
XYZ	20.5539, 17.7570, 17.6734
YIQ	119.2530, 24.5730, 11.7170

Conversions

Conversions Part 2

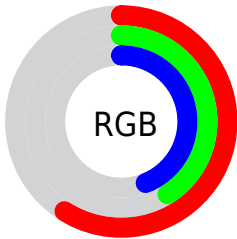
Format	Color
R_{YB}	150, 105, 112
Decimal	9857392
CIE _{Lab}	49.20, 19.08, 3.32
CIE _{LCh}	49, 19.367, 9.858
Yxy	17.7570, 0.3671, 0.3172
Android (android.graphics.Color)	4288047472 (0xFF966970)
YUV	119.2530, -3.5757, 26.9651
Hunter-Lab	42.1391, 13.3225, 4.6307

Details

The XYZ color **20.5539, 17.7570, 17.6734** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **21.6907, 26.7996, 30.0175**, and the grayscale version is **17.6206, 18.5383, 20.1882**.

A 20% lighter version of the original color is **43.9346, 39.7734, 40.4834**, and **7.4255, 5.8931, 5.5966** is the 20% darker color. If you saturate the color by 10%, you get **18.5023, 14.7042, 13.7512**, and if you desaturate by 10%, it is **22.9752, 21.3901, 22.2089**.

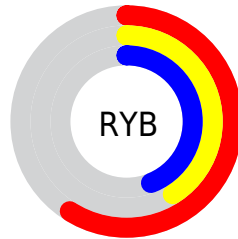
Distribution



Red (59%)

Green (41%)

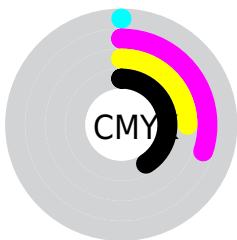
Blue (44%)



Red (59%)

Yellow (41%)

Blue (44%)

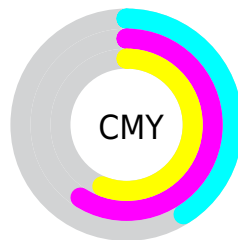


Cyan (0%)

Magenta (30%)

Yellow (25%)

Black (41%)



Cyan (41%)

Magenta (59%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.5539, 17.7570, 17.6734 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 20.5539, 17.7570, 17.6734 by changing the saturation by 10% instead.

■ 20.5539, 17.7570,
17.6734

■ 20.5539, 17.7570,
17.6734

247.6749,
239.4978, 251.1977

■ 12.9089, 10.7757,
10.5488

■ 43.8408, 39.6228,
40.2864

■ 7.4424, 5.9162,
5.6540

■ 60.2134, 55.2761,
56.6118

■ 3.7891, 2.7942,
2.5705

■ 80.2260, 74.5888,
76.8413

■ 1.5835, 1.0252,
0.8771

■ 104.2438, 97.9454,
101.3933

■ 0.3816, 0.0000,
0.0000

132.6322,
125.7301, 130.6864

■ 0.0000, 0.0000,
0.0000

165.7567,

158.3275, 165.1391

203.9825,
196.1220, 205.1700

■ 20.5539, 17.7570,
17.6734

■ 20.5539, 17.7570,
17.6734

■ 18.5023, 14.7042,
13.7512

■ 22.9752, 21.3901,
22.2089

■ 16.8008, 12.1994,
10.4147

■ 25.7817, 25.6288,
27.3814

■ 15.4298, 10.2105,
7.6359

■ 28.9900, 30.5001,
33.2147

■ 14.3675, 8.7016,
5.3841

■ 32.6150, 36.0283,
39.7310

■ 13.5894, 7.6317,
3.6255

■ 36.6709, 42.2366,
46.9515

■ 13.0670, 6.9532,
2.3221

■ 41.1714, 49.1471,
54.8965

■ 12.7358, 6.5473,
1.4205

■ 46.1295, 56.7809,
63.5854

■ 12.7357, 6.5473,
1.4203

■ 51.5576, 65.1581,
73.0370

■ 57.4676, 74.2981,
83.2693

Harmonies

Analogous

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



20.3699, 17.7570, 22.9835



20.5539, 17.7570, 17.6734



19.7001, 17.7570, 13.6111

Triad

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



20.5539, 17.7570, 17.6734



14.7386, 17.7570, 12.6332



15.7043, 17.7570, 30.3154

Complementary

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



20.5539, 17.7570, 17.6734



21.6907, 26.7996, 30.0175

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.



14.3382, 17.7570, 26.4719



20.5539, 17.7570, 17.6734



13.8090, 17.7570, 16.0935

Square

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



20.5539, 17.7570, 17.6734



16.2871, 17.7570, 11.0656



13.6679, 17.7570, 21.0962



17.4820, 17.7570, 30.9454

Rectangle

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



20.5539, 17.7570, 17.6734



18.6909, 17.7570, 11.9162



13.6679, 17.7570, 21.0962



15.1853, 17.7570, 29.3276

Sweetspot

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



20.5544, 17.7578, 17.6738



45.9363, 45.8917, 49.1220



21.7985, 18.1011, 31.1993



10.0234, 9.9329, 10.5995



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



20.5544, 17.7578, 17.6738



33.7733, 27.6121, 26.4275



21.8445, 20.9376, 16.2556



5.8354, 5.8292, 6.2393



10.5709, 5.4334, 1.2213



0.1364, 0.0693, 0.0517

Inverse Universe

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



20.5544, 17.7578, 17.6738



33.7733, 27.6121, 26.4275



19.9954, 22.5339, 32.1500



5.8354, 5.8292, 6.2393



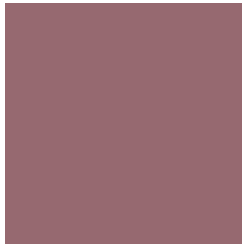
10.5709, 5.4334, 1.2213



0.1364, 0.0693, 0.0517

Previews

White Background



This preview shows how the XYZ color 20.5539, 17.7570, 17.6734 looks on a white background.

Color Contrast Check

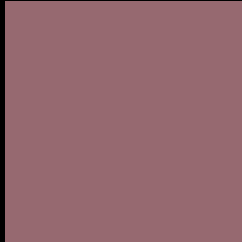
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 20.5539, 17.7570, 17.6734 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 20.5539, 17.7570, 17.6734

Background



This preview shows how black text looks on a background with the XYZ color 20.5539, 17.7570, 17.6734.



This preview shows how white text looks on a background with the XYZ color 20.5539, 17.7570,

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

20.5539, 17.7570, 17.6734

Protanopia

17.2988, 17.9764, 20.0108

Deuteranopia

18.0797, 17.7613, 17.2272



Tritanopia

20.6099, 17.7794, 17.9683

Trichromacy



Original Color

20.5539, 17.7570, 17.6734

Protanomaly

18.2634, 17.8170, 18.9994

Deuteranomaly

18.9264, 17.7028, 17.4584

Tritanomaly

20.6099, 17.7794, 17.9683

Monochromacy



Original Color

20.5539, 17.7570, 17.6734

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

18.3756, 18.0414, 19.0368

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5539, 17.7570, 17.6734 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(150, 105, 112)` looks like.

```
.text, #text, p{  
    color:rgb(150, 105, 112)  
}
```

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(150, 105, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 105, 112) }
```

Border

The CSS property to change the border of an element to XYZ 20.5539, 17.7570, 17.6734 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(150, 105, 112) }
```


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

```
.border{ border-color:rgb(150, 105, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 105, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 105, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 105, 112);  
box-shadow:4px 4px 4px 4px rgb(150, 105,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 20.5539, 17.7570, 17.6734 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 105, 112) }
```

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

```
.background{ background-color: rgb(150,  
105, 112) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor