

Converting Colors

XYZ(56.6259, 45.3314, 22.4968)

Have a look what the booklet for
XYZ(56.6259, 45.3314, 22.4968)
contains.

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Color

**XYZ(55.5175, 44.6776,
22.5272)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9775
RGB	255, 151, 117
RGB Percent	100%, 59%, 46%
CMY	0.0000, 0.4078, 0.5412
CMYK	0.00, 0.41, 0.54, 0.00
HSL	15°, 100%, 73%
HSV	15°, 54%, 100%
XYZ	55.5175, 44.6776, 22.5272
YIQ	178.2200, 72.8980, 11.4740

Conversions

Conversions Part 2

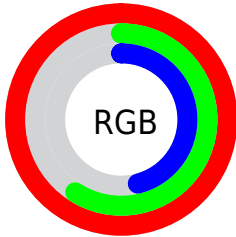
Format	Color
R _Y B	255, 162, 117
Decimal	16750453
CIE Lab	72.68, 35.72, 34.61
CIE LCh	73, 49.735, 44.091
Yxy	44.6776, 0.4524, 0.3641
Android (android.graphics.Color)	4294940533 (0xFFFF9775)
YUV	178.2200, -30.1815, 67.3361
Hunter-Lab	66.8413, 31.2874, 26.8067

Details

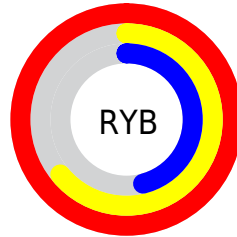
The XYZ color **55.5175, 44.6776, 22.5272** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **51.2410, 62.7115, 104.0112**, and the grayscale version is **42.5624, 44.7789, 48.7643**.

A 20% lighter version of the original color is **70.5670, 68.3049, 47.4951**, and **27.7534, 20.8104, 8.0229** is the 20% darker color. If you saturate the color by 10%, you get **51.3728, 38.4699, 14.7291**, and if you desaturate by 10%, it is **60.5767, 52.0613, 32.6451**.

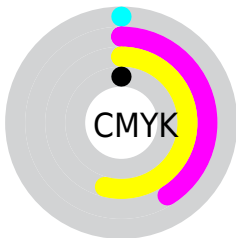
Distribution



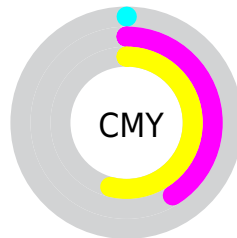
- Red (100%)
- Green (59%)
- Blue (46%)



- Red (100%)
- Yellow (64%)
- Blue (46%)



- Cyan (0%)
- Magenta (41%)
- Yellow (54%)
- Black (0%)





- Cyan (0%)
- Magenta (41%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 55.5175, 44.6776, 22.5272 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 55.5175, 44.6776, 22.5272 by changing the saturation by 10% instead.


 55.5175, 44.6776,
22.5272


 55.5175, 44.6776,
22.5272


397.9752,
365.4663, 278.3300


 40.0517, 31.2036,
14.0428


 97.4427, 82.2364,
48.5291

 27.7632, 20.7539,
8.0113


 124.6327,
107.0900, 66.8837

 18.2868, 12.9442,
4.0143


 156.4616,
136.5055, 89.3654

 11.2570, 7.3902,
1.6332

193.2946,
170.8673, 116.3928

 6.3086, 3.7073,
0.3143

235.4971,
210.5600, 148.3844

 3.0760, 1.5112,
0.0000

283.4345,

 1.1941, 0.2966,

255.9677, 185.7588

0.0000

337.4720,
307.4750, 228.9345

■ 0.1017, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 55.5175, 44.6776,
22.5272

■ 55.5175, 44.6776,
22.5272

■ 51.3728, 38.4699,
14.7291

■ 60.5767, 52.0613,
32.6451

■ 48.0811, 33.3689,
9.0612

■ 66.6002, 60.6718,
45.2471

■ 45.5773, 29.3084,
5.3074

■ 73.6376, 70.5648,
60.4851

■ 43.7844, 26.2110,
3.2035

■ 81.7344, 81.7909,
78.4981

■ 43.0083, 24.7970,
2.5195

■ 90.9330, 94.3976,
99.4154

95.0498, 99.9999,
108.9000

Harmonies

Analogous

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



60.6563, 44.6776, 37.9798



55.5175, 44.6776, 22.5272



47.1724, 44.6776, 15.7849

Triad

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



55.5175, 44.6776, 22.5272



28.4352, 44.6776, 36.7593



46.6295, 44.6776, 110.7451

Complementary

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



55.5175, 44.6776, 22.5272



51.2410, 62.7115, 104.0112

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.



38.0812, 44.6776, 110.0717



55.5175, 44.6776, 22.5272



28.3311, 44.6776, 61.1434

Square

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



55.5175, 44.6776, 22.5272



31.9438, 44.6776, 21.8956



31.6372, 44.6776, 89.7177



55.0740, 44.6776, 91.3293

Rectangle

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



55.5175, 44.6776, 22.5272



41.2932, 44.6776, 14.9969



31.6372, 44.6776, 89.7177



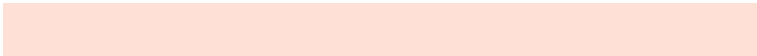
43.6582, 44.6776, 113.0231

Sweetspot

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



55.5186, 44.6799, 22.5280



80.1272, 79.5732, 74.8883



60.8936, 39.2998, 74.0469



16.7838, 16.5249, 15.2095



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



55.5186, 44.6799, 22.5280



51.0489, 37.9759, 14.1458



69.5741, 72.7909, 27.2132



18.3729, 18.7140, 18.7881



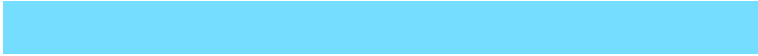
22.5704, 13.1521, 1.3490



2.2791, 1.4437, 0.1585

Inverse Universe

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



51.2410, 62.7115, 104.0112



46.2798, 57.5281, 103.2726



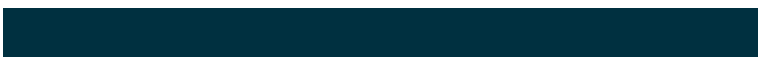
36.9090, 34.0475, 99.2338



18.1535, 19.6785, 23.0915



19.4232, 23.7560, 52.9962



1.9769, 2.4845, 5.1886

Previews

White Background



This preview shows how the XYZ color 55.5175, 44.6776, 22.5272 looks on a white background.

Color Contrast Check

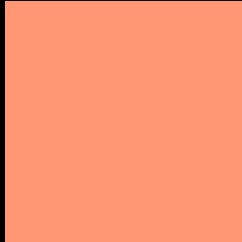
Large Text (above 18pt) WCAG AA × Fail

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 55.5175, 44.6776, 22.5272 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 ✓ Pass

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

XYZ 55.5175, 44.6776, 22.5272

Background



This preview shows how black text looks on a background with the XYZ color 55.5175, 44.6776, 22.5272.



This preview shows how white text looks on a background with the XYZ color 55.5175, 44.6776,

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

55.5175, 44.6776, 22.5272

Protanopia

41.7546, 45.0052, 26.9082

Deuteranopia

45.8624, 44.9170, 21.8754



Tritanopia

57.7595, 44.5618, 37.4553

Trichromacy



Original Color

55.5175, 44.6776, 22.5272

Protanomaly

45.8504, 44.2782, 25.1988

Deuteranomaly

48.9458, 44.5888, 21.9464

Tritanomaly

56.7124, 44.3928, 31.1708

Monochromacy



Original Color

55.5175, 44.6776, 22.5272

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

45.4570, 43.5274, 37.4583

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.5175, 44.6776, 22.5272 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(255, 151, 117)` looks like.

```
.text, #text, p{  
    color:rgb(255, 151, 117)  
}
```

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(255, 151, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 151, 117) }
```

Border

The CSS property to change the border of an element to XYZ 55.5175, 44.6776, 22.5272 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(255, 151, 117) }
```


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

```
.border{ border-color:rgb(255, 151, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 151, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 151, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 151, 117);  
box-shadow:4px 4px 4px 4px rgb(255, 151,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 55.5175, 44.6776, 22.5272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 151, 117) }
```

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

```
.background{ background-color: rgb(255,  
151, 117) }
```

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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