

Converting Colors

XYZ(55.3199, 44.6956, 21.1875)

Have a look what the booklet for
XYZ(55.3199, 44.6956, 21.1875)
contains.

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Color

**XYZ(55.2872, 44.5855,
21.3147)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9771
RGB	255, 151, 113
RGB Percent	100%, 59%, 44%
CMY	0.0000, 0.4078, 0.5569
CMYK	0.00, 0.41, 0.56, 0.00
HSL	16°, 100%, 72%
HSV	16°, 56%, 100%
XYZ	55.2872, 44.5855, 21.3147
YIQ	177.7640, 74.1820, 10.2300

Conversions

Conversions Part 2

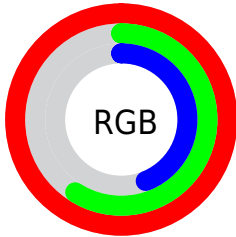
Format	Color
R _Y B	255, 165, 113
Decimal	16750449
CIE Lab	72.62, 35.41, 36.66
CIE LCh	73, 50.967, 45.999
Yxy	44.5855, 0.4562, 0.3679
Android (android.graphics.Color)	4294940529 (0xFFFF9771)
YUV	177.7640, -31.9287, 67.7360
Hunter-Lab	66.7724, 30.9455, 27.8144

Details

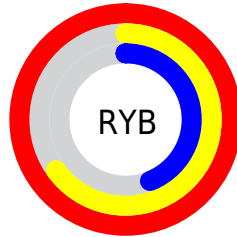
The XYZ color **55.2872, 44.5855, 21.3147** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **49.6713, 60.3530, 103.6385**, and the grayscale version is **42.3293, 44.5337, 48.4972**.

A 20% lighter version of the original color is **70.1028, 68.1192, 45.0508**, and **27.6354, 20.7632, 7.4016** is the 20% darker color. If you saturate the color by 10%, you get **51.2771, 38.5491, 13.8628**, and if you desaturate by 10%, it is **60.1788, 51.7399, 31.0506**.

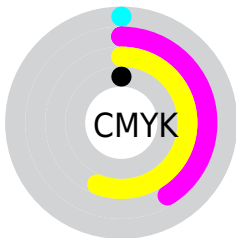
Distribution



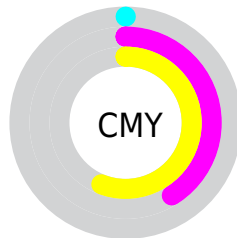
- Red (100%)
- Green (59%)
- Blue (44%)



- Red (100%)
- Yellow (65%)
- Blue (44%)



- Cyan (0%)
- Magenta (41%)
- Yellow (56%)
- Black (0%)




- Cyan (0%)
- Magenta (41%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 55.2872, 44.5855, 21.3147 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 55.2872, 44.5855, 21.3147 by changing the saturation by 10% instead.


 55.2872, 44.5855,
21.3147

 55.2872, 44.5855,
21.3147


397.1184,
365.0922, 271.7820


 39.8665, 31.1311,
13.1608


 97.1075, 82.0981,
46.4983


 27.6182, 20.6987,
7.4073


 124.2378,
106.9250, 64.3650

 18.1770, 12.9039,
3.6358


 156.0019,
136.3115, 86.3063

 11.1776, 7.3624,
1.4278

 192.7653,
170.6420, 112.7409

 6.2546, 3.6898,
0.1632

234.8933,
210.3010, 144.0872

 3.0426, 1.5016,
0.0000

282.7512,

 1.1763, 0.2898,

255.6727, 180.7638

0.0000

336.7045,
307.1417, 223.1892

■ 0.0876, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 55.2872, 44.5855,
21.3147

■ 55.2872, 44.5855,
21.3147

■ 51.2771, 38.5491,
13.8628

■ 60.1788, 51.7399,
31.0506

■ 48.0881, 33.5653,
8.5019

■ 66.0003, 60.0595,
43.2367

■ 45.6566, 29.5717,
5.0111

■ 72.8001, 69.5969,
58.0265

■ 43.9059, 26.4955,
3.1167

■ 80.6223, 80.3996,
75.5602

■ 43.3221, 25.4245,
2.6241

■ 89.5081, 92.5122,
95.9680

95.0497, 99.9999,
108.9000

Harmonies

Analogous

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



60.8644, 44.5855, 36.3495



55.2872, 44.5855, 21.3147



46.6153, 44.5855, 15.0188

Triad

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



55.2872, 44.5855, 21.3147



27.9568, 44.5855, 37.7151



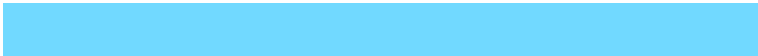
47.2266, 44.5855, 111.8214

Complementary

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



55.2872, 44.5855, 21.3147



49.6713, 60.3530, 103.6385

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.



38.4041, 44.5855, 112.5876



55.2872, 44.5855, 21.3147



28.0730, 44.5855, 63.2046

Square

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



55.2872, 44.5855, 21.3147



31.3088, 44.5855, 22.0140



31.6517, 44.5855, 92.5480



55.7879, 44.5855, 90.7191

Rectangle

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



55.2872, 44.5855, 21.3147



40.6290, 44.5855, 14.4866



31.6517, 44.5855, 92.5480



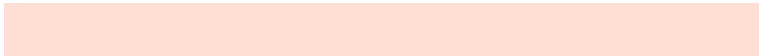
44.1748, 44.5855, 114.6630

Sweetspot

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



55.2883, 44.5878, 21.3155



79.5348, 78.9063, 73.0946



59.6868, 38.0871, 69.9422



16.6753, 16.4098, 14.8589



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.



55.2883, 44.5878, 21.3155



50.8126, 37.8354, 13.0432



70.3063, 74.6238, 26.3215



18.4048, 18.7778, 18.7988



22.7409, 13.4930, 1.4058



2.2996, 1.4845, 0.1653

Inverse Universe

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



49.6713, 60.3530, 103.6385



44.5868, 54.8461, 102.8441



35.1597, 31.3300, 98.8013



18.1195, 19.6105, 23.0802



18.8186, 22.5468, 52.7947



1.9224, 2.3754, 5.1705

Previews

White Background



This preview shows how the XYZ color 55.2872, 44.5855, 21.3147 looks on a white background.

Color Contrast Check

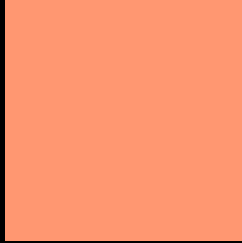
Large Text (above 18pt) WCAG AA × Fail

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 55.2872, 44.5855, 21.3147 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 55.2872, 44.5855, 21.3147

Background



This preview shows how black text looks on a background with the XYZ color 55.2872, 44.5855, 21.3147.



This preview shows how white text looks on a background with the XYZ color 55.2872, 44.5855,

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

55.2872, 44.5855, 21.3147

Protanopia

41.5508, 44.6335, 25.4939

Deuteranopia

45.6421, 44.8289, 20.7152



Tritanopia

57.7595, 44.5618, 37.4553

Trichromacy



Original Color

55.2872, 44.5855, 21.3147

Protanomaly

45.7117, 43.9603, 23.8452

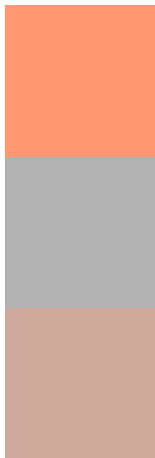
Deuteranomaly

48.7231, 44.4997, 20.7732

Tritanomaly

56.6376, 44.3629, 30.7771

Monochromacy



Original Color

55.2872, 44.5855, 21.3147

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

45.2890, 43.4602, 36.5735

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.2872, 44.5855, 21.3147 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, 113)` looks like.

```
.text, #text, p{  
    color:rgb(255, 151, 113)  
}
```

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, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 151, 113) }
```

Border

The CSS property to change the border of an element to XYZ 55.2872, 44.5855, 21.3147 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, 113) }
```


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

```
.border{ border-color:rgb(255, 151, 113) }
```

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, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 151, 113); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 151, 113); box-shadow:4px 4px 4px 4px rgb(255, 151, 113) }
```

Background

The CSS property to change the background color of an element to XYZ 55.2872, 44.5855, 21.3147 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, 113) }
```

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

```
.background{ background-color: rgb(255,  
151, 113) }
```

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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