

Converting Colors

XYZ(56.7205, 47.0554, 23.0154)

Have a look what the booklet for
XYZ(56.7205, 47.0554, 23.0154)
contains.

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Color

**XYZ(56.6777, 46.9981,
22.9139)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9E75
RGB	255, 158, 117
RGB Percent	100%, 62%, 46%
CMY	0.0000, 0.3804, 0.5412
CMYK	0.00, 0.38, 0.54, 0.00
HSL	18°, 100%, 73%
HSV	18°, 54%, 100%
XYZ	56.6777, 46.9981, 22.9139
YIQ	182.3290, 70.9730, 7.8130

Conversions

Conversions Part 2

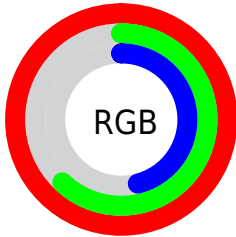
Format	Color
R _Y B	255, 175, 117
Decimal	16752245
CIE Lab	74.19, 32.11, 36.54
CIE LCh	74, 48.638, 48.691
Yxy	46.9981, 0.4477, 0.3713
Android (android.graphics.Color)	4294942325 (0xFFFF9E75)
YUV	182.3290, -32.2072, 63.7325
Hunter-Lab	68.5552, 27.6026, 28.1715

Details

The XYZ color **56.6777, 46.9981, 22.9139** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **49.4311, 59.0918, 103.4077**, and the grayscale version is **44.7871, 47.1195, 51.3131**.

A 20% lighter version of the original color is **72.2899, 71.7508, 48.0694**, and **28.4456, 22.1948, 8.2536** is the 20% darker color. If you saturate the color by 10%, you get **52.5403, 40.8048, 15.1183**, and if you desaturate by 10%, it is **61.6716, 54.2512, 33.0101**.

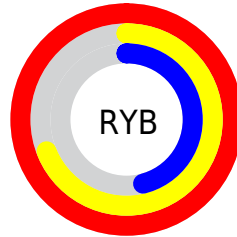
Distribution



Red (100%)

Green (62%)

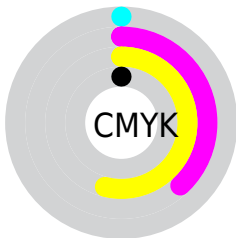
Blue (46%)



Red (100%)

Yellow (69%)

Blue (46%)

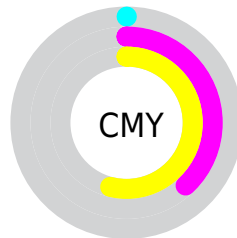


Cyan (0%)

Magenta (38%)

Yellow (54%)

Black (0%)



Cyan (0%)

Magenta (38%)


Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.6777, 46.9981, 22.9139 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 56.6777, 46.9981, 22.9139 by changing the saturation by 10% instead.


 56.6777, 46.9981,
22.9139

 56.6777, 46.9981,
22.9139


402.2742,
374.8069, 280.3900

 40.9857, 33.0342,
14.3252


 99.1288, 85.7108,
49.1733

 28.4955, 22.1526,
8.2059


 126.6186,
111.2283, 67.6812

 18.8419, 13.9691,
4.1373

 158.7717,
141.3658, 90.3325

 11.6594, 8.0992,
1.7010

195.9535,
176.5077, 117.5458

 6.5827, 4.1585,
0.3614

238.5293,
217.0384, 149.7397

 3.2465, 1.7626,
0.0000

286.8644,

 1.2854, 0.4637,

263.3422, 187.3326

0.0000

341.3243,
315.8036, 230.7432

■ 0.1723, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 56.6777, 46.9981,
22.9139

■ 56.6777, 46.9981,
22.9139

■ 52.5403, 40.8048,
15.1183

■ 61.6716, 54.2512,
33.0101

■ 49.2026, 35.6121,
9.4351

■ 67.5668, 62.6051,
45.5693

■ 46.6058, 31.3654,
5.6502

■ 74.4088, 72.1073,
60.7421

■ 44.6791, 28.0006,
3.5018

■ 82.2389, 82.8001,
78.6662

■ 43.8086, 26.3975,
2.7863

■ 91.0960, 94.7238,
99.4697

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.



62.5096, 46.9981, 37.2753



56.6777, 46.9981, 22.9139



48.0395, 46.9981, 17.0519

Triad

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



56.6777, 46.9981, 22.9139



30.1636, 46.9981, 42.3223



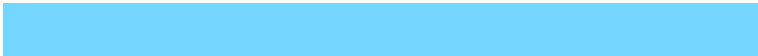
50.2619, 46.9981, 111.4680

Complementary

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



56.6777, 46.9981, 22.9139



49.4311, 59.0918, 103.4077

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.



41.4624, 46.9981, 114.1787



56.6777, 46.9981, 22.9139



30.5957, 46.9981, 68.1556

Square

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



56.6777, 46.9981, 22.9139



33.2222, 46.9981, 25.5692



34.4911, 46.9981, 96.3818



58.4857, 46.9981, 89.8667

Rectangle

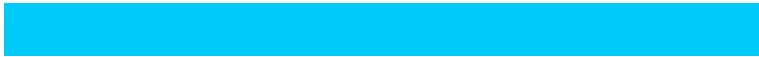
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



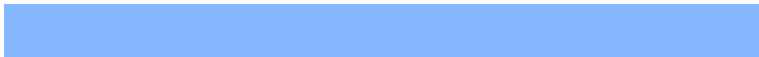
56.6777, 46.9981, 22.9139



42.1842, 46.9981, 16.8694



34.4911, 46.9981, 96.3818



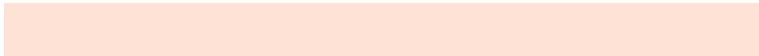
47.2521, 46.9981, 114.8304

Sweetspot

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



56.6788, 47.0005, 22.9148



80.6876, 80.6942, 75.0752



59.9830, 38.9355, 69.2518



16.9162, 16.7896, 15.2536



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.



56.6788, 47.0005, 22.9148



52.2144, 40.3069, 14.5343



71.4029, 76.4487, 27.8228



18.4492, 18.8667, 18.8136



23.0035, 14.0182, 1.4934



2.3300, 1.5455, 0.1755

Inverse Universe

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



49.4311, 59.0918, 103.4077



44.2045, 53.3774, 102.5808



35.8045, 31.8386, 98.8655



18.0724, 19.5163, 23.0645



18.0148, 20.9392, 52.5268



1.8493, 2.2294, 5.1461

Previews

White Background



This preview shows how the XYZ color 56.6777, 46.9981, 22.9139 looks on a white background.

Color Contrast Check

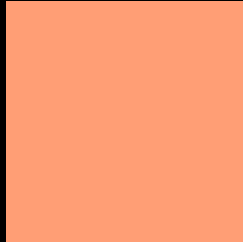
Large Text (above 18pt) WCAG AA × Fail

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 56.6777, 46.9981, 22.9139 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 56.6777, 46.9981, 22.9139

Background



This preview shows how black text looks on a background with the XYZ color 56.6777, 46.9981, 22.9139.



This preview shows how white text looks on a background with the XYZ color 56.6777, 46.9981,

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

56.6777, 46.9981, 22.9139

Protanopia

44.0530, 47.4050, 26.9069

Deuteranopia

48.1860, 47.2470, 22.4995



Tritanopia

59.4964, 47.0515, 41.0680

Trichromacy



Original Color

56.6777, 46.9981, 22.9139

Protanomaly

47.9246, 46.7622, 25.2390

Deuteranomaly

50.8868, 46.9374, 22.5975

Tritanomaly

58.2278, 46.8093, 33.5699

Monochromacy



Original Color

56.6777, 46.9981, 22.9139

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

47.4096, 45.9111, 38.7107

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.6777, 46.9981, 22.9139 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, 158, 117)` looks like.

```
.text, #text, p{  
    color:rgb(255, 158, 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, 158, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 158, 117) }
```

Border

The CSS property to change the border of an element to XYZ 56.6777, 46.9981, 22.9139 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, 158, 117) }
```


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

```
.border{ border-color:rgb(255, 158, 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, 158, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 158, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 158, 117);  
box-shadow:4px 4px 4px 4px rgb(255, 158,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 56.6777, 46.9981, 22.9139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 158, 117) }
```

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

```
.background{ background-color: rgb(255,  
158, 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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