

Converting Colors

XYZ(53.1988, 40.6910, 19.7476)

Have a look what the booklet for
XYZ(53.1988, 40.6910, 19.7476)
contains.

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Color

**XYZ(53.1430, 40.5627,
19.7803)**

Conversions

Conversions Part 1

Format	Color
Hex	FF8A6E
RGB	255, 138, 110
RGB Percent	100%, 54%, 43%
CMY	0.0000, 0.4588, 0.5686
CMYK	0.00, 0.46, 0.57, 0.00
HSL	12°, 100%, 72%
HSV	12°, 57%, 100%
XYZ	53.1430, 40.5627, 19.7803
YIQ	169.7910, 78.7200, 16.0960

Conversions

Conversions Part 2

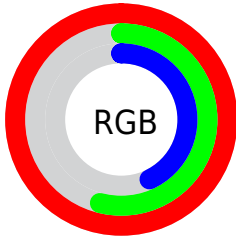
Format	Color
R _Y B	255, 145, 110
Decimal	16747118
CIE Lab	69.87, 41.79, 34.78
CIE LCh	70, 54.369, 39.767
Yxy	40.5627, 0.4683, 0.3574
Android (android.graphics.Color)	4294937198 (0xFFFF8A6E)
YUV	169.7910, -29.4770, 74.7283
Hunter-Lab	63.6889, 37.4878, 26.1681

Details

The XYZ color **53.1430, 40.5627, 19.7803** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **51.9479, 65.4698, 104.5065**, and the grayscale version is **38.2201, 40.2106, 43.7893**.

A 20% lighter version of the original color is **66.8316, 62.0086, 42.6289**, and **26.3661, 18.3141, 6.7028** is the 20% darker color. If you saturate the color by 10%, you get **49.2717, 34.7315, 12.5978**, and if you desaturate by 10%, it is **57.9748, 47.6761, 29.2540**.

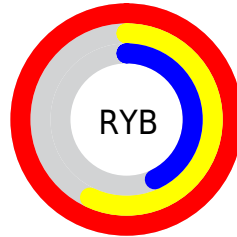
Distribution



Red (100%)

Green (54%)

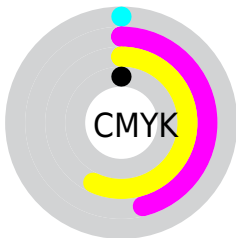
Blue (43%)



Red (100%)

Yellow (57%)

Blue (43%)

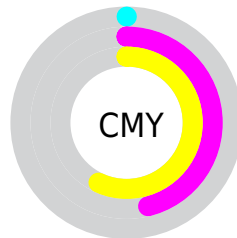


Cyan (0%)

Magenta (46%)

Yellow (57%)

Black (0%)



Cyan (0%)


Magenta (46%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 53.1430, 40.5627, 19.7803 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 53.1430, 40.5627, 19.7803 by changing the saturation by 10% instead.


 53.1430, 40.5627,
19.7803

 53.1430, 40.5627,
19.7803


389.0854,
348.4896, 263.2880


 38.1449, 27.9775,
12.0530


 93.9790, 76.0196,
43.9027


 26.2729, 18.3087,
6.6568


 120.5477, 99.6602,
61.1347

 17.1616, 11.1719,
3.1732


 151.7039,
127.7546, 82.3721

 10.4458, 6.1826,
1.1837

 187.8129,
160.6874, 108.0334

 5.7601, 2.9564,
0.0000

229.2403,
198.8429, 138.5371

 2.7390, 1.1090,
0.0000

276.3512,

 1.0173, 0.0000,

242.6055, 174.3018

0.0000

329.5112,
292.3596, 215.7459

■ 0.0000, 0.0000,
0.0000

■ 53.1430, 40.5627,
19.7803

■ 53.1430, 40.5627,
19.7803

■ 49.2717, 34.7315,
12.5978

■ 57.9748, 47.6761,
29.2540

■ 46.2909, 30.0989,
7.5077

■ 63.8246, 56.1363,
41.1903

■ 44.1255, 26.5806,
4.2808

■ 70.7484, 66.0108,
55.7468

■ 42.6838, 24.0776,
2.6275

■ 78.7974, 77.3608,
73.0672

■ 42.3488, 23.4777,
2.2996

■ 88.0194, 90.2439,
93.2849

95.0499, 100.0000,
108.9000

Harmonies

Analogous

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



57.8381, 40.5627, 36.4154



53.1430, 40.5627, 19.7803



44.7330, 40.5627, 12.4355

Triad

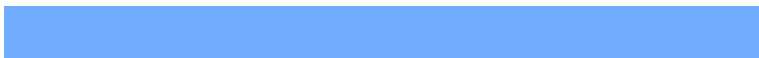
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



53.1430, 40.5627, 19.7803



24.7085, 40.5627, 29.3847



41.5081, 40.5627, 111.5663

Complementary

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



53.1430, 40.5627, 19.7803



51.9479, 65.4698, 104.5065

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.



32.9712, 40.5627, 107.3592



53.1430, 40.5627, 19.7803



24.1170, 40.5627, 52.9448

Square

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



53.1430, 40.5627, 19.7803



28.6751, 40.5627, 16.3290



26.9133, 40.5627, 83.1740



50.4745, 40.5627, 93.1176

Rectangle

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



53.1430, 40.5627, 19.7803



38.6229, 40.5627, 11.1898



26.9133, 40.5627, 83.1740



38.4845, 40.5627, 112.8787

Sweetspot

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



53.1440, 40.5648, 19.7810



78.6788, 77.1942, 72.8093



60.8775, 38.0367, 77.8357



16.4752, 16.0096, 14.7922



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.



53.1440, 40.5648, 19.7810



48.8890, 34.1455, 11.9171



66.8754, 68.0277, 24.3582



18.2933, 18.5548, 18.7616



22.2085, 12.4282, 1.2284



2.2334, 1.3522, 0.1433

Inverse Universe

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



51.9479, 65.4698, 104.5065



47.4859, 60.9777, 103.8748



36.3552, 34.2843, 99.3089



18.2392, 19.8500, 23.1201



21.0385, 26.9865, 53.5347



2.1213, 2.7733, 5.2368

Previews

White Background



This preview shows how the XYZ color 53.1430, 40.5627, 19.7803 looks on a white background.

Color Contrast Check

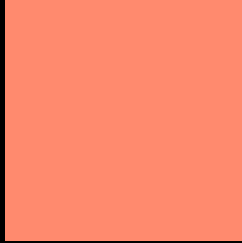
Large Text (above 18pt) WCAG AA × Fail

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 53.1430, 40.5627, 19.7803 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 53.1430, 40.5627, 19.7803

Background



This preview shows how black text looks on a background with the XYZ color 53.1430, 40.5627, 19.7803.

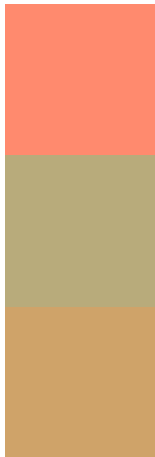


This preview shows how white text looks on a background with the XYZ color 53.1430, 40.5627,

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

53.1430, 40.5627, 19.7803

Protanopia

37.9052, 40.7462, 24.6059

Deuteranopia

41.3791, 40.4797, 18.9971



Tritanopia

54.9380, 40.6016, 31.3269

Trichromacy



Original Color

53.1430, 40.5627, 19.7803

Protanomaly

42.2465, 39.8059, 22.5962

Deuteranomaly

44.9499, 40.0200, 19.2654

Tritanomaly

54.2090, 40.5343, 26.7966

Monochromacy



Original Color

53.1430, 40.5627, 19.7803

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

41.6595, 39.0093, 33.3508

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.1430, 40.5627, 19.7803 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, 138, 110)` looks like.

```
.text, #text, p{  
    color:rgb(255, 138, 110)  
}
```

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, 138, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 138, 110) }
```

Border

The CSS property to change the border of an element to XYZ 53.1430, 40.5627, 19.7803 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, 138, 110) }
```


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

```
.border{ border-color:rgb(255, 138, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 138, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 138, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 138, 110);  
box-shadow:4px 4px 4px 4px rgb(255, 138,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 53.1430, 40.5627, 19.7803 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 138, 110) }
```

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

```
.background{ background-color: rgb(255,  
138, 110) }
```

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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