

Converting Colors

XYZ(52.9839, 40.9106, 17.6743)

Have a look what the booklet for
XYZ(52.9839, 40.9106, 17.6743)
contains.

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Color

**XYZ(53.0164, 40.9755,
17.6852)**

Conversions

Conversions Part 1

Format	Color
Hex	FF8C66
RGB	255, 140, 102
RGB Percent	100%, 55%, 40%
CMY	0.0000, 0.4510, 0.6000
CMYK	0.00, 0.45, 0.60, 0.00
HSL	15°, 100%, 70%
HSV	15°, 60%, 100%
XYZ	53.0164, 40.9755, 17.6852
YIQ	170.0530, 80.7380, 12.5620

Conversions

Conversions Part 2

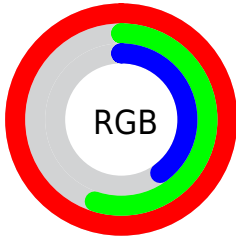
Format	Color
R _Y B	255, 153, 102
Decimal	16747622
CIE Lab	70.16, 40.21, 39.43
CIE LCh	70, 56.316, 44.435
Yxy	40.9755, 0.4747, 0.3669
Android (android.graphics.Color)	4294937702 (0xFFFF8C66)
YUV	170.0530, -33.5501, 74.4985
Hunter-Lab	64.0121, 35.8169, 28.4279

Details

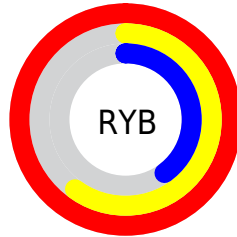
The XYZ color **53.0164, 40.9755, 17.6852** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **48.3408, 59.6672, 103.5764**, and the grayscale version is **38.3699, 40.3681, 43.9609**.

A 20% lighter version of the original color is **66.5878, 62.6233, 39.1498**, and **26.1479, 18.5832, 5.6988** is the 20% darker color. If you saturate the color by 10%, you get **49.3800, 35.4251, 11.1644**, and if you desaturate by 10%, it is **57.5313, 47.6612, 26.4178**.

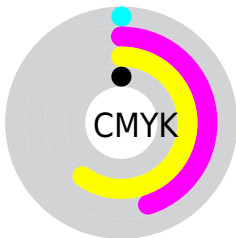
Distribution



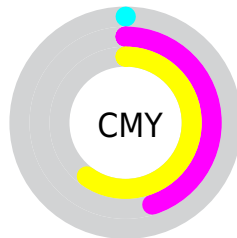
- Red (100%)
- Green (55%)
- Blue (40%)



- Red (100%)
- Yellow (60%)
- Blue (40%)



- Cyan (0%)
- Magenta (45%)
- Yellow (60%)
- Black (0%)



- Cyan (0%)
- Magenta (45%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 53.0164, 40.9755, 17.6852 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 53.0164, 40.9755, 17.6852 by changing the saturation by 10% instead.

53.0164, 40.9755,
17.6852

53.0164, 40.9755,
17.6852

388.6079,
350.2182, 251.2669

38.0434, 28.2999,
10.5571

93.7939, 76.6467,
40.3068

26.1937, 18.5519,
5.6595

120.3291,
100.4111, 56.6375

17.1021, 11.3469,
2.5737

151.4490,
128.6406, 76.8727

10.4030, 6.3007,
0.8788

187.5191,
161.7196, 101.4311

5.7313, 3.0288,
0.0000

228.9047,
200.0325, 130.7312

2.7215, 1.1468,
0.0000

275.9711,

1.0083, 0.0176,

243.9636, 165.1915

0.0000

329.0837,
293.8974, 205.2305

■ 0.0000, 0.0000,
0.0000

■ 53.0164, 40.9755,
17.6852

■ 53.0164, 40.9755,
17.6852

■ 49.3800, 35.4251,
11.1644

■ 57.5313, 47.6612,
26.4178

■ 46.5570, 30.9382,
6.6500

■ 62.9776, 55.5356,
37.5378

■ 44.4767, 27.4442,
3.9014

■ 69.4071, 64.6563,
51.2057

■ 43.0365, 24.8533,
2.5289

■ 76.8669, 75.0752,
67.5673

■ 43.0364, 24.8532,
2.5289

■ 85.4009, 86.8412,
86.7572

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.



58.7474, 40.9755, 33.1237



53.0164, 40.9755, 17.6852



43.8961, 40.9755, 11.4126

Triad

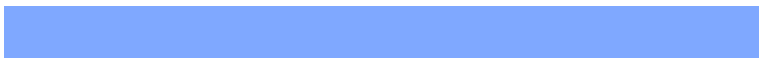
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



53.0164, 40.9755, 17.6852



24.2500, 40.9755, 32.3381



43.5319, 40.9755, 114.0046

Complementary

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



53.0164, 40.9755, 17.6852



48.3408, 59.6672, 103.5764

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.



34.3827, 40.9755, 113.5216



53.0164, 40.9755, 17.6852



24.1841, 40.9755, 58.4979

Square

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



53.0164, 40.9755, 17.6852



27.8121, 40.9755, 17.3064



27.6153, 40.9755, 90.4032



52.7137, 40.9755, 91.5401

Rectangle

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



53.0164, 40.9755, 17.6852



37.5918, 40.9755, 10.7378



27.6153, 40.9755, 90.4032



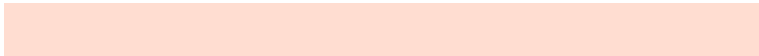
40.3323, 40.9755, 116.7363

Sweetspot

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



53.0174, 40.9776, 17.6859



78.4862, 77.3187, 71.1739



58.8171, 35.8933, 71.0532



16.2980, 15.8544, 14.1187



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.



53.0174, 40.9776, 17.6859



48.7524, 34.4445, 10.1077



67.7354, 70.4137, 22.5920



18.3759, 18.7199, 18.7891



22.5857, 13.1827, 1.3541



2.2810, 1.4474, 0.1591

Inverse Universe

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



48.3408, 59.6672, 103.5764



43.5748, 54.3684, 102.8053



33.3222, 29.6301, 98.5702



18.1503, 19.6721, 23.0904



19.3657, 23.6410, 52.9771



1.9717, 2.4742, 5.1869

Previews

White Background



This preview shows how the XYZ color 53.0164, 40.9755, 17.6852 looks on a white background.

Color Contrast Check

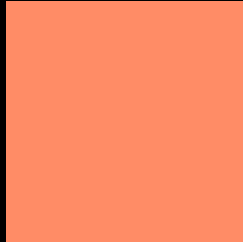
Large Text (above 18pt) WCAG AA × Fail

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 53.0164, 40.9755, 17.6852 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 53.0164, 40.9755, 17.6852

Background



This preview shows how black text looks on a background with the XYZ color 53.0164, 40.9755, 17.6852.



This preview shows how white text looks on a background with the XYZ color 53.0164, 40.9755,

17.6852.

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

53.0164, 40.9755, 17.6852

Protanopia

38.2833, 41.2847, 21.8706

Deuteranopia

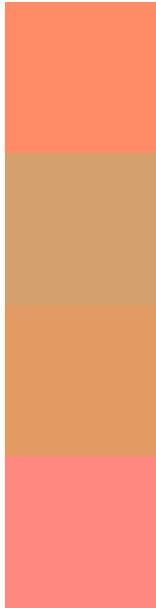
42.0115, 41.1156, 17.0311



Tritanopia

55.1550, 40.9127, 31.7780

Trichromacy



Original Color

53.0164, 40.9755, 17.6852

Protanomaly

42.5367, 40.2644, 20.2817

Deuteranomaly

45.3375, 40.5123, 17.2345

Tritanomaly

54.1481, 40.7363, 25.7779

Monochromacy



Original Color

53.0164, 40.9755, 17.6852

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

41.5964, 39.2581, 32.1733

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.0164, 40.9755, 17.6852 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, 140, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 140, 102)  
}
```

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, 140, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 140, 102) }
```

Border

The CSS property to change the border of an element to XYZ 53.0164, 40.9755, 17.6852 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, 140, 102) }
```


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

```
.border{ border-color:rgb(255, 140, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 140, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 140, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 140, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 140,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 53.0164, 40.9755, 17.6852 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 140, 102) }
```

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

```
.background{ background-color: rgb(255,  
140, 102) }
```

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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