

Converting Colors

XYZ(53.7602, 42.4632, 17.9331)

Have a look what the booklet for
XYZ(53.7602, 42.4632, 17.9331)
contains.

XYZ(53.7637, 42.4701, 17.9343)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(53.7637, 42.4701,
17.9343)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9166
RGB	255, 145, 102
RGB Percent	100%, 57%, 40%
CMY	0.0000, 0.4313, 0.6000
CMYK	0.00, 0.43, 0.60, 0.00
HSL	17°, 100%, 70%
HSV	17°, 60%, 100%
XYZ	53.7637, 42.4701, 17.9343
YIQ	172.9880, 79.3630, 9.9470

Conversions

Conversions Part 2

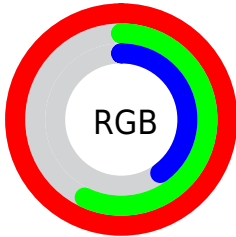
Format	Color
R _Y B	255, 162, 102
Decimal	16748902
CIE Lab	71.19, 37.68, 40.70
CIE LCh	71, 55.462, 47.211
Yxy	42.4701, 0.4709, 0.3720
Android (android.graphics.Color)	4294938982 (0xFFFF9166)
YUV	172.9880, -34.9971, 71.9245
Hunter-Lab	65.1691, 33.2144, 29.3020

Details

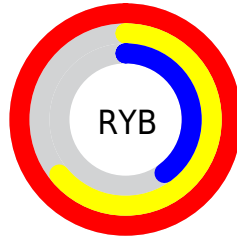
The XYZ color **53.7637, 42.4701, 17.9343** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **47.0715, 57.1287, 103.1533**, and the grayscale version is **39.8600, 41.9358, 45.6681**.

A 20% lighter version of the original color is **67.7270, 64.9016, 39.5295**, and **26.8283, 19.5644, 5.8523** is the 20% darker color. If you saturate the color by 10%, you get **50.1093, 36.8837, 11.4075**, and if you desaturate by 10%, it is **58.2610, 49.1205, 26.6610**.

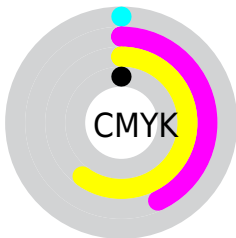
Distribution



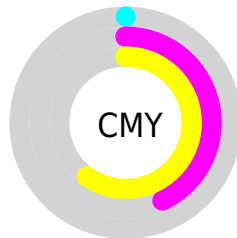
- Red (100%)
- Green (57%)
- Blue (40%)



- Red (100%)
- Yellow (64%)
- Blue (40%)



- Cyan (0%)
- Magenta (43%)
- Yellow (60%)
- Black (0%)




- Cyan (0%)
- Magenta (43%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.7637, 42.4701, 17.9343 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 53.7637, 42.4701, 17.9343 by changing the saturation by 10% instead.


 53.7637, 42.4701,
17.9343


 53.7637, 42.4701,
17.9343


391.4214,
356.4280, 252.7241


 38.6427, 29.4696,
10.7339


 94.8861, 78.9106,
40.7378


 26.6614, 19.4363,
5.7763


 121.6183,
103.1194, 57.1779

 17.4543, 11.9860,
2.6429


 152.9515,
131.8330, 77.5350

 10.6562, 6.7341,
0.9145

 189.2512,
165.4359, 102.2276

 5.9018, 3.2964,
0.0000

230.8826,
204.3125, 131.6743

 2.8255, 1.2884,
0.0000

278.2112,

 1.0622, 0.1322,

248.8471, 166.2936

0.0000

331.6024,
299.4241, 206.5040

■ 0.0000, 0.0000,
0.0000

■ 53.7637, 42.4701,
17.9343

■ 53.7637, 42.4701,
17.9343

■ 50.1093, 36.8837,
11.4075

■ 58.2610, 49.1205,
26.6610

■ 47.2362, 32.2965,
6.8764

■ 63.6505, 56.8815,
37.7622

■ 45.0778, 28.6464,
4.1018

■ 69.9814, 65.8049,
51.3972

■ 43.5365, 25.8532,
2.6956

■ 77.2978, 75.9371,
67.7110

■ 43.5364, 25.8530,
2.6955

■ 85.6411, 87.3218,
86.8374

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.



59.9565, 42.4701, 32.6915



53.7637, 42.4701, 17.9343



44.4530, 42.4701, 12.1350

Triad

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



53.7637, 42.4701, 17.9343



25.3267, 42.4701, 35.8137



45.8888, 42.4701, 114.3841

Complementary

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



53.7637, 42.4701, 17.9343



47.0715, 57.1287, 103.1533

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.



36.5386, 42.4701, 116.2641



53.7637, 42.4701, 17.9343



25.5892, 42.4701, 63.1004

Square

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



53.7637, 42.4701, 17.9343



28.6208, 42.4701, 19.4610



29.4033, 42.4701, 94.8892



54.9529, 42.4701, 90.4503

Rectangle

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



53.7637, 42.4701, 17.9343



38.1645, 42.4701, 11.7840



29.4033, 42.4701, 94.8892



42.6517, 42.4701, 117.8704

Sweetspot

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



53.7647, 42.4723, 17.9351



78.8828, 78.1120, 71.3061



58.1545, 35.6283, 67.5642



16.3934, 16.0453, 14.1505



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.



53.7647, 42.4723, 17.9351



49.4741, 35.8879, 10.3482



69.0480, 73.0390, 23.0295



18.4250, 18.8182, 18.8055



22.8567, 13.7247, 1.4444



2.3131, 1.5116, 0.1699

Inverse Universe

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



47.0715, 57.1287, 103.1533



42.1267, 51.4722, 102.3226



32.5753, 28.1362, 98.3213



18.0980, 19.5676, 23.0730



18.4473, 21.8042, 52.6709



1.8887, 2.3081, 5.1592

Previews

White Background



This preview shows how the XYZ color 53.7637, 42.4701, 17.9343 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 53.7637, 42.4701, 17.9343 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 53.7637, 42.4701, 17.9343

Background



This preview shows how black text looks on a background with the XYZ color 53.7637, 42.4701, 17.9343.



This preview shows how white text looks on a background with the XYZ color 53.7637, 42.4701,

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

53.7637, 42.4701, 17.9343

Protanopia

39.5458, 42.7993, 21.7996

Deuteranopia

43.4639, 42.6654, 17.4997



Tritanopia

56.2699, 42.5118, 34.0940

Trichromacy



Original Color

53.7637, 42.4701, 17.9343

Protanomaly

43.7673, 41.9512, 20.2586

Deuteranomaly

46.6452, 42.1911, 17.4896

Tritanomaly

55.1466, 42.2995, 27.4484

Monochromacy



Original Color

53.7637, 42.4701, 17.9343

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

42.9923, 40.9975, 33.2511

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.7637, 42.4701, 17.9343 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, 145, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 145, 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, 145, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 145, 102) }
```

Border

The CSS property to change the border of an element to XYZ 53.7637, 42.4701, 17.9343 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, 145, 102) }
```


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

```
.border{ border-color:rgb(255, 145, 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, 145, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 145, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 145, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 145,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 53.7637, 42.4701, 17.9343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 145, 102) }
```

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

```
.background{ background-color: rgb(255,  
145, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor