

Converting Colors

XYZ(49.6871, 42.1875, 19.0372)

Have a look what the booklet for
XYZ(49.6871, 42.1875, 19.0372)
contains.

XYZ(49.5894, 42.1738, 19.1624)	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(49.5894, 42.1738,
19.1624)**

Conversions

Conversions Part 1

Format	Color
Hex	EF996A
RGB	239, 153, 106
RGB Percent	94%, 60%, 42%
CMY	0.0627, 0.4000, 0.5843
CMYK	0.00, 0.36, 0.56, 0.06
HSL	21°, 81%, 68%
HSV	21°, 56%, 94%
XYZ	49.5894, 42.1738, 19.1624
YIQ	173.3560, 66.3430, 3.6150

Conversions

Conversions Part 2

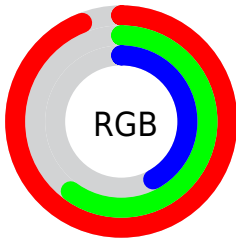
Format	Color
R _Y B	239, 179, 106
Decimal	15702378
CIE Lab	70.99, 27.56, 37.90
CIE LCh	71, 46.864, 53.979
Yxy	42.1738, 0.4471, 0.3802
Android (android.graphics.Color)	4293892458 (0xFFEF996A)
YUV	173.3560, -33.2065, 57.5698
Hunter-Lab	64.9414, 22.6557, 27.9641

Details

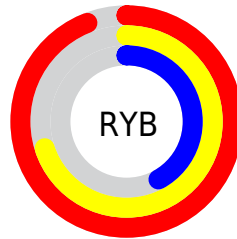
The XYZ color **49.5894, 42.1738, 19.1624** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **40.3725, 46.9932, 88.6039**, and the grayscale version is **40.0439, 42.1293, 45.8788**.

A 20% lighter version of the original color is **69.9674, 68.8404, 41.9476**, and **23.9826, 19.1865, 6.3102** is the 20% darker color. If you saturate the color by 10%, you get **46.1479, 37.0105, 12.7144**, and if you desaturate by 10%, it is **53.7068, 48.1350, 27.5448**.

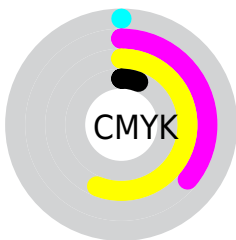
Distribution



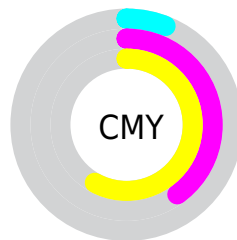
- Red (94%)
- Green (60%)
- Blue (42%)



- Red (94%)
- Yellow (70%)
- Blue (42%)



- Cyan (0%)
- Magenta (36%)
- Yellow (56%)
- Black (6%)



- Cyan (6%)
- Magenta (40%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.5894, 42.1738, 19.1624 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 49.5894, 42.1738, 19.1624 by changing the saturation by 10% instead.

49.5894, 42.1738,
19.1624

49.5894, 42.1738,
19.1624

375.5367,
355.2029, 259.7964

35.3037, 29.2374,
11.6097

88.7617, 78.4626,
42.8487

24.0645, 19.2605,
6.3592

114.3790,
102.5838, 59.8193

15.5065, 11.8587,
2.9924

144.5042,
131.2020, 80.7664

9.2642, 6.6475,
1.0908

179.5027,
164.7017, 106.1084

4.9724, 3.2426,
0.0000

219.7399,
203.4673, 136.2638

2.2657, 1.2597,
0.0000

265.5810,

0.7770, 0.1097,

247.8830, 171.6513

0.0000

317.3915,
298.3335, 212.6893

■ 0.0000, 0.0000,
0.0000

■ 49.5894, 42.1738,
19.1624

■ 49.5894, 42.1738,
19.1624

■ 46.1479, 37.0105,
12.7144

■ 53.7068, 48.1350,
27.5448

■ 43.3372, 32.6019,
8.0386

■ 58.5351, 54.9219,
38.0011

■ 41.1106, 28.9099,
4.9497


■ 64.1102, 62.5685,
50.6605


■ 39.4112, 25.8889,
3.2186

■ 70.4644, 71.1048,
65.6408

■ 38.8033, 24.7643,
2.7348

■ 77.6283, 80.5595,
83.0515

 85.6303, 90.9598,
102.9950

 89.4065, 97.0907,
108.6359

Harmonies

Analogous

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



55.4458, 42.1738, 30.5538



49.5894, 42.1738, 19.1624



41.6822, 42.1738, 15.0367

Triad

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



49.5894, 42.1738, 19.1624



26.9186, 42.1738, 41.5515



46.5088, 42.1738, 97.5472

Complementary

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



49.5894, 42.1738, 19.1624



40.3725, 46.9932, 88.6039

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.



38.5290, 42.1738, 103.4076



49.5894, 42.1738, 19.1624



27.8606, 42.1738, 65.7293

Square

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



49.5894, 42.1738, 19.1624



29.1160, 42.1738, 24.9728



31.8798, 42.1738, 90.2748



53.5116, 42.1738, 76.1704

Rectangle

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



49.5894, 42.1738, 19.1624



36.5626, 42.1738, 15.5349



31.8798, 42.1738, 90.2748



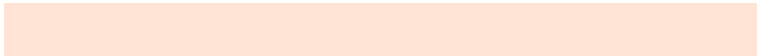
43.8265, 42.1738, 101.6355

Sweetspot

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



49.5904, 42.1759, 19.1632



80.5407, 80.9181, 73.4299



50.3151, 32.4849, 53.7495



16.9111, 16.8814, 14.9375



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.



49.5904, 42.1759, 19.1632



52.9003, 42.0107, 13.7391



63.5427, 70.0804, 23.8139



16.2298, 16.6728, 16.5125



21.5554, 13.9089, 1.5486



1.8836, 1.3379, 0.1590

Inverse Universe

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



40.3725, 46.9932, 88.6039



41.1491, 47.9707, 101.6982



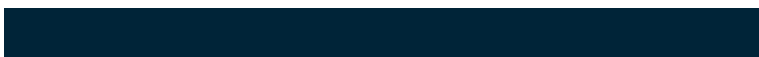
28.9786, 24.2055, 84.8059



15.7500, 16.9341, 20.1601



15.1723, 16.5689, 47.5263



1.3554, 1.5648, 3.9848

Previews

White Background



This preview shows how the XYZ color 49.5894, 42.1738, 19.1624 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 49.5894, 42.1738, 19.1624 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

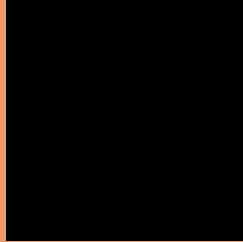
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.5894, 42.1738, 19.1624

Background



This preview shows how black text looks on a background with the XYZ color 49.5894, 42.1738, 19.1624.



This preview shows how white text looks on a background with the XYZ color 49.5894, 42.1738,

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

49.5894, 42.1738, 19.1624

Protanopia

39.1596, 42.3058, 22.0215

Deuteranopia

43.2358, 42.2488, 18.7080



Tritanopia

53.3268, 42.0468, 37.2035

Trichromacy



Original Color

49.5894, 42.1738, 19.1624

Protanomaly

42.2376, 41.6855, 20.8589

Deuteranomaly

45.3678, 42.0188, 18.8160

Tritanomaly

51.9528, 42.2071, 29.4533

Monochromacy



Original Color

49.5894, 42.1738, 19.1624

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

42.0870, 41.3127, 34.1897

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.5894, 42.1738, 19.1624 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(239, 153, 106)` looks like.

```
.text, #text, p{  
    color:rgb(239, 153, 106)  
}
```

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(239, 153, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 153, 106) }
```

Border

The CSS property to change the border of an element to XYZ 49.5894, 42.1738, 19.1624 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(239, 153, 106) }
```


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

```
.border{ border-color:rgb(239, 153, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 153, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 153, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 153, 106);  
box-shadow:4px 4px 4px 4px rgb(239, 153,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 49.5894, 42.1738, 19.1624 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 153, 106) }
```

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

```
.background{ background-color: rgb(239,  
153, 106) }
```

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