

Converting Colors

XYZ(19.1563, 20.6789, 9.4995)

Have a look what the booklet for
XYZ(19.1563, 20.6789, 9.4995)
contains.

XYZ(19.0509, 20.5649, 9.4439)	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(19.0509, 20.5649,
9.4439)**

Conversions

Conversions Part 1

Format	Color
Hex	8A7D4A
RGB	138, 125, 74
RGB Percent	54%, 49%, 29%
CMY	0.4588, 0.5098, 0.7098
CMYK	0.00, 0.09, 0.46, 0.46
HSL	48°, 30%, 42%
HSV	48°, 46%, 54%
XYZ	19.0509, 20.5649, 9.4439
YIQ	123.0730, 24.1190, -13.1050

Conversions

Conversions Part 2

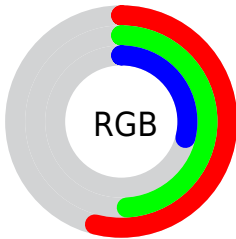
Format	Color
RYB	90, 138, 74
Decimal	9076042
CIELab	52.47, -2.51, 29.52
CIELCh	52, 29.628, 94.869
Yxy	20.5649, 0.3883, 0.4192
Android (android.graphics.Color)	4287266122 (0xFF8A7D4A)
YUV	123.0730, -24.1930, 13.0910
Hunter-Lab	45.3485, -4.3722, 19.3967

Details

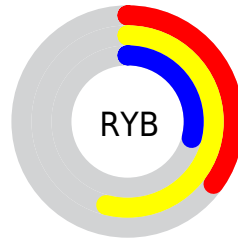
The XYZ color **19.0509, 20.5649, 9.4439** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **10.8196, 10.1070, 25.4254**, and the grayscale version is **18.9230, 19.9085, 21.6803**.

A 20% lighter version of the original color is **41.3525, 44.2370, 25.4279**, and **6.6318, 7.2312, 2.1448** is the 20% darker color. If you saturate the color by 10%, you get **18.2865, 19.7002, 7.1417**, and if you desaturate by 10%, it is **19.9284, 21.4924, 12.2876**.

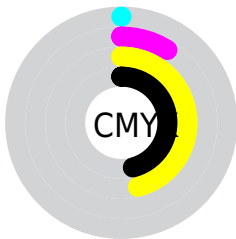
Distribution



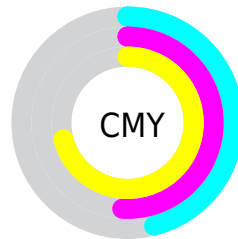
- Red (54%)
- Green (49%)
- Blue (29%)



- Red (35%)
- Yellow (54%)
- Blue (29%)



- Cyan (0%)
- Magenta (9%)
- Yellow (46%)
- Black (46%)



- Cyan (46%)
- Magenta (51%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.0509, 20.5649, 9.4439 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 19.0509, 20.5649, 9.4439 by changing the saturation by 10% instead.

■ 19.0509, 20.5649,
9.4439

■ 19.0509, 20.5649,
9.4439

239.6623,
254.9571, 196.9941

■ 11.8113, 12.8063,
4.9311

■ 41.3363, 44.3623,
25.3354

■ 6.6866, 7.2953,
2.1489

■ 57.1128, 61.1699,
37.5512

■ 3.3115, 3.6475,
0.6446

■ 76.4656, 81.7626,
53.1717

■ 1.3205, 1.4784,
0.0000

■ 99.7602, 106.5249,
72.6154

■ 0.1985, 0.2734,
0.0000

■ 127.3617,
135.8410, 96.3010

■ 0.0000, 0.0000,
0.0000

159.6357,

170.0955, 124.6470

196.9475,
209.6727, 158.0718

■ 19.0509, 20.5649,
9.4439

■ 19.0509, 20.5649,
9.4439

■ 18.2865, 19.7002,
7.1417

■ 19.9284, 21.4924,
12.2876

■ 17.6267, 18.8925,
5.3440

■ 20.9236, 22.4823,
15.7037

■ 17.0646, 18.1396,
4.0116

■ 22.0428, 23.5381,
19.7226

■ 16.5912, 17.4378,
3.0986

■ 23.2913, 24.6621,
24.3719

■ 16.1922, 16.7812,
2.5293

■ 24.6742, 25.8563,
29.6775

■ 16.0546, 16.5499,
2.3483

■ 26.1961, 27.1228,
35.6641

■ 27.8615, 28.4634,
42.3548

■ 29.6748, 29.8801,
49.7718

■ 31.6399, 31.3746,
57.9364

Harmonies

Analogous

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



22.1545, 20.5649, 10.3338



19.0509, 20.5649, 9.4439



16.3703, 20.5649, 11.2121

Triad

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



19.0509, 20.5649, 9.4439



15.1034, 20.5649, 33.4792



25.3749, 20.5649, 30.3418

Complementary

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



19.0509, 20.5649, 9.4439



10.8196, 10.1070, 25.4254

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.



23.1086, 20.5649, 39.2678



19.0509, 20.5649, 9.4439



17.1514, 20.5649, 41.3857

Square

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



19.0509, 20.5649, 9.4439



14.2480, 20.5649, 23.8534



20.0503, 20.5649, 43.7409



26.0181, 20.5649, 20.9909

Rectangle

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



19.0509, 20.5649, 9.4439



15.1164, 20.5649, 14.0238



20.0503, 20.5649, 43.7409



24.7668, 20.5649, 33.5618

Sweetspot

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



19.0514, 20.5659, 9.4443



39.2923, 41.8915, 36.3733



14.6861, 11.0034, 10.5537



8.7238, 9.3143, 7.8303



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



19.0514, 20.5659, 9.4443



32.1307, 34.6043, 12.2955



18.0519, 22.6550, 9.9002



5.3463, 5.6754, 5.3661



14.7301, 15.1947, 2.1565



0.1080, 0.1211, 0.0177

Inverse Universe

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



10.8196, 10.1070, 25.4254



15.7191, 13.7704, 44.2126



11.4634, 9.0150, 25.1807



4.8516, 5.0462, 6.3241



4.5963, 2.4630, 22.2788



0.0392, 0.0337, 0.1509

Previews

White Background



This preview shows how the XYZ color 19.0509, 20.5649, 9.4439 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 19.0509, 20.5649, 9.4439 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 × Fail

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

XYZ 19.0509, 20.5649, 9.4439

Background



This preview shows how black text looks on a background with the XYZ color 19.0509, 20.5649, 9.4439.



This preview shows how white text looks on a background with the XYZ color 19.0509, 20.5649,

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

19.0509, 20.5649, 9.4439

Protanopia

18.8862, 20.4800, 9.4362

Deuteranopia

20.9354, 20.6163, 9.5325



Tritanopia

21.8208, 20.5918, 23.2466

Trichromacy



Original Color

19.0509, 20.5649, 9.4439

Protanomaly

18.8862, 20.4800, 9.4362

Deuteranomaly

20.2622, 20.6301, 9.5707

Tritanomaly

20.5287, 20.4202, 17.0469

Monochromacy



Original Color

19.0509, 20.5649, 9.4439

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

18.6595, 20.0244, 16.2462

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.0509, 20.5649, 9.4439 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(138, 125, 74)` looks like.

```
.text, #text, p{  
    color:rgb(138, 125, 74)  
}
```

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(138, 125, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 125, 74) }
```

Border

The CSS property to change the border of an element to XYZ 19.0509, 20.5649, 9.4439 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(138, 125, 74) }
```


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

```
.border{ border-color:rgb(138, 125, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 125, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 125, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 125, 74);  
box-shadow:4px 4px 4px 4px rgb(138, 125,  
74) }
```

Background

The CSS property to change the background color of an element to XYZ 19.0509, 20.5649, 9.4439 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 125, 74) }
```

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

```
.background{ background-color: rgb(138,  
125, 74) }
```

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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