

Converting Colors

XYZ(48.7737, 40.3082, 16.7372)

Have a look what the booklet for
XYZ(48.7737, 40.3082, 16.7372)
contains.

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Color

**XYZ(48.9140, 40.4501,
16.7849)**

Conversions

Conversions Part 1

Format	Color
Hex	F19362
RGB	241, 147, 98
RGB Percent	95%, 58%, 38%
CMY	0.0549, 0.4235, 0.6157
CMYK	0.00, 0.39, 0.59, 0.05
HSL	21°, 84%, 66%
HSV	21°, 59%, 95%
XYZ	48.9140, 40.4501, 16.7849
YIQ	169.5200, 71.7530, 4.6890

Conversions

Conversions Part 2

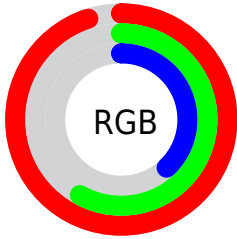
Format	Color
R_{YB}	241, 173, 98
Decimal	15831906
CIE _{Lab}	69.79, 30.90, 40.67
CIE _{LCh}	70, 51.082, 52.773
Yxy	40.4501, 0.4608, 0.3811
Android (android.graphics.Color)	4294021986 (0xFFFF19362)
YUV	169.5200, -35.2594, 62.6880
Hunter-Lab	63.6004, 25.9807, 28.8729

Details

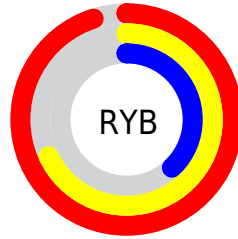
The XYZ color **48.9140, 40.4501, 16.7849** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **39.7627, 46.6444, 90.1263**, and the grayscale version is **38.1155, 40.1004, 43.6694**.

A 20% lighter version of the original color is **67.8656, 65.7031, 37.9592**, and **23.7240, 18.2385, 5.2876** is the 20% darker color. If you saturate the color by 10%, you get **45.6468, 35.4710, 10.9020**, and if you desaturate by 10%, it is **52.8648, 46.2488, 24.5860**.

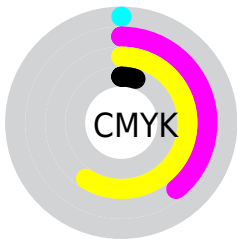
Distribution



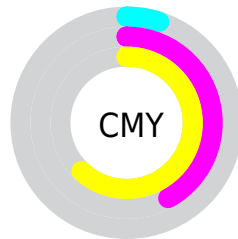
- Red (95%)
- Green (58%)
- Blue (38%)



- Red (95%)
- Yellow (68%)
- Blue (38%)



- Cyan (0%)
- Magenta (39%)
- Yellow (59%)
- Black (5%)





- Cyan (5%)
- Magenta (42%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.9140, 40.4501, 16.7849 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 48.9140, 40.4501, 16.7849 by changing the saturation by 10% instead.


 48.9140, 40.4501,
16.7849


 48.9140, 40.4501,
16.7849


372.9262,
348.0170, 245.9316


 34.7655, 27.8897,
9.9209


 87.7652, 75.8484,
38.7411

 23.6480, 18.2425,
5.2416


 113.1986, 99.4551,
54.6705

 15.1960, 11.1242,
2.3285


 143.1244,
127.5126, 74.4587

 9.0443, 6.1505,
0.7471

 177.9079,
160.4054, 98.5243

 4.8274, 2.9368,
0.0000

217.9145,
198.5179, 127.2859

 2.1801, 1.0988,
0.0000

263.5095,

 0.7322, 0.0000,

242.2343, 161.1619

0.0000

315.0583,
291.9393, 200.5710

■ 0.0000, 0.0000,
0.0000

■ 48.9140, 40.4501,
16.7849

■ 48.9140, 40.4501,
16.7849

■ 45.6468, 35.4710,
10.9020

■ 52.8648, 46.2488,
24.5860

■ 43.0148, 31.2650,
6.7629

■ 57.5373, 52.8979,
34.4542

■ 40.9665, 27.7897,
4.1647

■ 62.9696, 60.4342,
46.5261

■ 39.4270, 24.9896,
2.7914

■ 69.1965, 68.8902,
60.9258

■ 39.3375, 24.8247,
2.7183

■ 76.2500, 78.2968,
77.7682

■ 84.1607, 88.6832,
97.1606

■ 90.0855, 97.4407,
108.6677

Harmonies

Analogous

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



55.0886, 40.4501, 28.6364



48.9140, 40.4501, 16.7849



40.4862, 40.4501, 12.5125

Triad

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



48.9140, 40.4501, 16.7849



24.7072, 40.4501, 38.5482



44.9496, 40.4501, 100.9383

Complementary

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



48.9140, 40.4501, 16.7849



39.7627, 46.6444, 90.1263

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.



36.4767, 40.4501, 106.5936



48.9140, 40.4501, 16.7849



25.5471, 40.4501, 64.1725

Square

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



48.9140, 40.4501, 16.7849



27.1042, 40.4501, 21.8031



29.5904, 40.4501, 91.2843



52.5800, 40.4501, 77.8193

Rectangle

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



48.9140, 40.4501, 16.7849



35.0305, 40.4501, 12.8467



29.5904, 40.4501, 91.2843



42.0778, 40.4501, 105.2177

Sweetspot

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



48.9150, 40.4522, 16.7857



79.6403, 79.6269, 71.5586



50.3062, 31.3015, 54.0378



16.5761, 16.4107, 14.2114



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.



48.9150, 40.4522, 16.7857



51.2779, 39.3608, 11.3645



63.3360, 69.2942, 21.5927



16.2156, 16.6444, 16.5078



21.4445, 13.6871, 1.5116



1.8732, 1.3170, 0.1555

Inverse Universe

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



39.7627, 46.6444, 90.1263



39.9301, 46.7936, 101.5353



27.8536, 22.8261, 86.1566



15.7648, 16.9637, 20.1650



15.4084, 17.0411, 47.6050



1.3739, 1.6018, 3.9910

Previews

White Background



This preview shows how the XYZ color 48.9140, 40.4501, 16.7849 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 48.9140, 40.4501, 16.7849 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

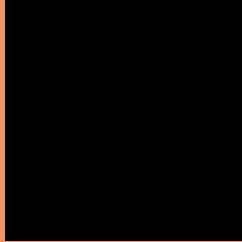
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.9140, 40.4501, 16.7849

Background



This preview shows how black text looks on a background with the XYZ color 48.9140, 40.4501, 16.7849.



This preview shows how white text looks on a background with the XYZ color 48.9140, 40.4501,

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

48.9140, 40.4501, 16.7849

Protanopia

37.4665, 40.6265, 19.7769

Deuteranopia

41.4572, 40.5759, 16.4734



Tritanopia

52.6202, 40.4030, 34.3033

Trichromacy



Original Color

48.9140, 40.4501, 16.7849

Protanomaly

40.8726, 39.9619, 18.6559

Deuteranomaly

43.9871, 40.3306, 16.5325

Tritanomaly

51.2955, 40.5440, 26.9520

Monochromacy



Original Color

48.9140, 40.4501, 16.7849

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

40.7193, 39.5900, 31.8811

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.9140, 40.4501, 16.7849 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(241, 147, 98)` looks like.

```
.text, #text, p{  
    color:rgb(241, 147, 98)  
}
```

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(241, 147, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 147, 98) }
```

Border

The CSS property to change the border of an element to XYZ 48.9140, 40.4501, 16.7849 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(241, 147, 98) }
```


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

```
.border{ border-color:rgb(241, 147, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 147, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 147, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 147, 98);  
box-shadow:4px 4px 4px 4px rgb(241, 147,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 48.9140, 40.4501, 16.7849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 147, 98) }
```

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

```
.background{ background-color: rgb(241,  
147, 98) }
```

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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