

Converting Colors

XYZ(50.4887, 40.5837, 16.4817)

Have a look what the booklet for
XYZ(50.4887, 40.5837, 16.4817)
contains.

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Color

**XYZ(50.4887, 40.5837,
16.4817)**

Conversions

Conversions Part 1

Format	Color
Hex	F79061
RGB	247, 144, 97
RGB Percent	97%, 56%, 38%
CMY	0.0314, 0.4353, 0.6196
CMYK	0.00, 0.42, 0.61, 0.03
HSL	19°, 90%, 67%
HSV	19°, 61%, 97%
XYZ	50.4887, 40.5837, 16.4817
YIQ	169.4390, 76.4750, 7.2190

Conversions

Conversions Part 2

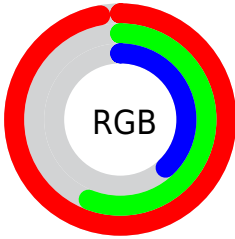
Format	Color
R_{YB}	247, 165, 97
Decimal	16224353
CIE _{Lab}	69.88, 34.75, 41.49
CIE _{LCh}	70, 54.118, 50.048
Yxy	40.5837, 0.4694, 0.3773
Android (android.graphics.Color)	4294414433 (0xFFFF79061)
YUV	169.4390, -35.7124, 68.0210
Hunter-Lab	63.7053, 29.9831, 29.2544

Details

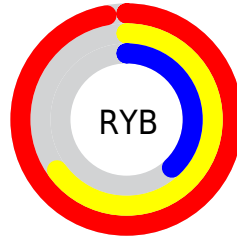
The XYZ color **50.4887, 40.5837, 16.4817** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **42.3713, 50.5627, 95.5216**, and the grayscale version is **38.0757, 40.0586, 43.6238**.

A 20% lighter version of the original color is **67.0882, 64.2768, 37.3045**, and **24.6312, 18.3151, 5.1427** is the 20% darker color. If you saturate the color by 10%, you get **47.1327, 35.4369, 10.5385**, and if you desaturate by 10%, it is **54.5910, 46.6499, 24.4427**.

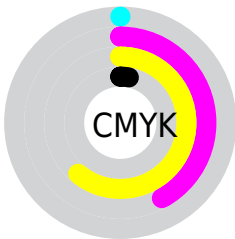
Distribution



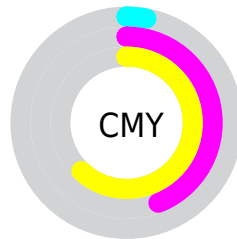
- Red (97%)
- Green (56%)
- Blue (38%)



- Red (97%)
- Yellow (65%)
- Blue (38%)



- Cyan (0%)
- Magenta (42%)
- Yellow (61%)
- Black (3%)





- Cyan (3%)
- Magenta (44%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.4887, 40.5837, 16.4817 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 50.4887, 40.5837, 16.4817 by changing the saturation by 10% instead.


 50.4887, 40.5837,
16.4817


 50.4887, 40.5837,
16.4817


378.9945,
348.5777, 244.1096

 36.0212, 27.9939,
9.7076


 90.0860, 76.0515,
38.2108


 24.6208, 18.3211,
5.1025


 115.9466, 99.6984,
54.0029

 15.9220, 11.1808,
2.2477


 146.3356,
127.7998, 73.6382

 9.5595, 6.1886,
0.7017

 181.6184,
160.7400, 97.5350

 5.1679, 2.9601,
0.0000

222.1603,
198.9035, 126.1120

 2.3819, 1.1109,
0.0000

268.3268,

 0.8361, 0.0000,

242.6747, 159.7878

0.0000

320.4830,
292.4380, 198.9808

■ 0.0000, 0.0000,
0.0000

■ 50.4887, 40.5837,
16.4817

■ 50.4887, 40.5837,
16.4817

■ 47.1327, 35.4369,
10.5385

■ 54.5910, 46.6499,
24.4427

■ 44.4683, 31.1550,
6.4232

■ 59.4829, 53.6734,
34.5831

■ 42.4369, 27.6867,
3.9129

■ 65.2075, 61.6973,
47.0509

■ 41.0397, 25.1384,
2.6892

■ 71.8037, 70.7604,
61.9799

■ 79.3079, 80.8989,
79.4940

87.7541, 92.1476,
99.7087

92.1676, 98.5141,
108.7651

Harmonies

Analogous

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



56.7483, 40.5837, 29.5737



50.4887, 40.5837, 16.4817



41.5718, 40.5837, 11.5850

Triad

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



50.4887, 40.5837, 16.4817



24.1949, 40.5837, 36.3333



44.6685, 40.5837, 107.1179

Complementary

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



50.4887, 40.5837, 16.4817



42.3713, 50.5627, 95.5216

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.



35.7232, 40.5837, 111.1497



50.4887, 40.5837, 16.4817



24.7639, 40.5837, 62.9657

Square

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



50.4887, 40.5837, 16.4817



27.0041, 40.5837, 19.8073



28.6981, 40.5837, 92.7074



53.0498, 40.5837, 83.1735

Rectangle

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



50.4887, 40.5837, 16.4817



35.6966, 40.5837, 11.5907



28.6981, 40.5837, 92.7074



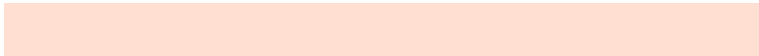
41.6012, 40.5837, 111.1236

Sweetspot

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



50.4897, 40.5858, 16.4824



79.2781, 78.9027, 71.4379



53.2931, 32.5881, 59.3585



16.4887, 16.2358, 14.1823



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.



50.4897, 40.5858, 16.4824



49.9227, 36.9142, 10.0998



65.3282, 70.2628, 21.4286



16.9228, 17.3298, 17.2506



21.8161, 13.5178, 1.4594



2.0055, 1.3642, 0.1576

Inverse Universe

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



42.3713, 50.5627, 95.5216



40.3840, 48.2605, 101.7945



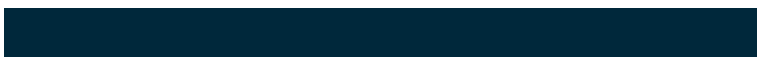
29.3079, 24.4359, 91.1672



16.5331, 17.8305, 21.1128



16.5740, 18.9418, 49.3206



1.5483, 1.8480, 4.3653

Previews

White Background



This preview shows how the XYZ color 50.4887, 40.5837, 16.4817 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 50.4887, 40.5837, 16.4817 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 50.4887, 40.5837, 16.4817

Background



This preview shows how black text looks on a background with the XYZ color 50.4887, 40.5837, 16.4817.



This preview shows how white text looks on a background with the XYZ color 50.4887, 40.5837,

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

50.4887, 40.5837, 16.4817

Protanopia

37.7103, 40.7522, 19.7883

Deuteranopia

41.3675, 40.5400, 16.0006



Tritanopia

53.8581, 40.6391, 33.0225

Trichromacy



Original Color

50.4887, 40.5837, 16.4817

Protanomaly

41.4875, 40.0243, 18.3708

Deuteranomaly

44.3403, 40.2731, 16.0262

Tritanomaly

52.4075, 40.4809, 25.8203

Monochromacy



Original Color

50.4887, 40.5837, 16.4817

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

40.5547, 38.9951, 31.3759

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.4887, 40.5837, 16.4817 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(247, 144, 97)` looks like.

```
.text, #text, p{  
    color:rgb(247, 144, 97)  
}
```

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(247, 144, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 144, 97) }
```

Border

The CSS property to change the border of an element to XYZ 50.4887, 40.5837, 16.4817 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(247, 144, 97) }
```


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

```
.border{ border-color:rgb(247, 144, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 144, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 144, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 144, 97);  
box-shadow:4px 4px 4px 4px rgb(247, 144,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 50.4887, 40.5837, 16.4817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 144, 97) }
```

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

```
.background{ background-color: rgb(247,  
144, 97) }
```

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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