

Converting Colors

XYZ(49.1194, 40.6187, 18.4707)

Have a look what the booklet for
XYZ(49.1194, 40.6187, 18.4707)
contains.

XYZ(48.8676, 40.3922, 18.3176)	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(48.8676, 40.3922,
18.3176)**

Conversions

Conversions Part 1

Format	Color
Hex	F09368
RGB	240, 147, 104
RGB Percent	94%, 58%, 41%
CMY	0.0588, 0.4235, 0.5922
CMYK	0.00, 0.39, 0.57, 0.06
HSL	19°, 82%, 67%
HSV	19°, 57%, 94%
XYZ	48.8676, 40.3922, 18.3176
YIQ	169.9050, 69.2310, 6.3430

Conversions

Conversions Part 2

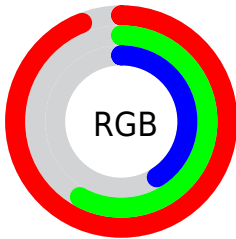
Format	Color
R_{YB}	240, 167, 104
Decimal	15766376
CIE _{Lab}	69.75, 30.95, 37.43
CIE _{LCh}	70, 48.574, 50.413
Yxy	40.3922, 0.4543, 0.3755
Android (android.graphics.Color)	4293956456 (0xFFFF09368)
YUV	169.9050, -32.4912, 61.4733
Hunter-Lab	63.5549, 26.0284, 27.4000

Details

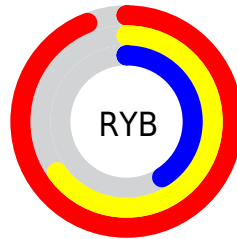
The XYZ color **48.8676, 40.3922, 18.3176** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **41.4022, 49.1643, 89.7452**, and the grayscale version is **38.2948, 40.2891, 43.8748**.

A 20% lighter version of the original color is **68.3613, 65.9014, 40.5697**, and **23.6284, 18.1732, 6.0038** is the 20% darker color. If you saturate the color by 10%, you get **45.4452, 35.2287, 11.9943**, and if you desaturate by 10%, it is **53.0029, 46.4266, 26.5903**.

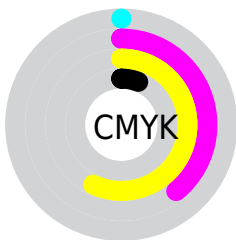
Distribution



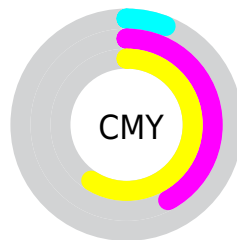
- Red (94%)
- Green (58%)
- Blue (41%)



- Red (94%)
- Yellow (65%)
- Blue (41%)



- Cyan (0%)
- Magenta (39%)
- Yellow (57%)
- Black (6%)




- Cyan (6%)
- Magenta (42%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.8676, 40.3922, 18.3176 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 48.8676, 40.3922, 18.3176 by changing the saturation by 10% instead.


 48.8676, 40.3922,
18.3176


 48.8676, 40.3922,
18.3176


372.7465,
347.7739, 254.9511

 34.7286, 27.8445,
11.0065


 87.6967, 75.7604,
41.3990


 23.6194, 18.2085,
5.9570


 113.1174, 99.3496,
58.0063

 15.1747, 11.0997,
2.7506


 143.0295,
127.3881, 78.5494

 9.0292, 6.1340,
0.9687

 177.7982,
160.2603, 103.4469

 4.8175, 2.9267,
0.0000

217.7889,
198.3506, 133.1173

 2.1742, 1.0936,
0.0000

263.3669,

 0.7291, 0.0000,

242.0434, 167.9791

0.0000

314.8977,
291.7230, 208.4508

■ 0.0000, 0.0000,
0.0000

■ 48.8676, 40.3922,
18.3176

■ 48.8676, 40.3922,
18.3176

■ 45.4452, 35.2287,
11.9943

■ 53.0029, 46.4266,
26.5903

■ 42.6871, 30.8872,
7.4536

■ 57.8892, 53.3654,
36.9559

■ 40.5424, 27.3228,
4.5036


■ 63.5655, 61.2476,
49.5468


■ 38.9484, 24.4818,
2.9024

■ 70.0667, 70.1078,
64.4837

■ 38.5121, 23.6793,
2.5407

■ 77.4257, 79.9791,
81.8787

 85.6736, 90.8927,
101.8366

 89.7450, 97.2652,
108.6517

Harmonies

Analogous

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



54.3964, 40.3922, 30.5271



48.8676, 40.3922, 18.3176



40.9681, 40.3922, 13.5884

Triad

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



48.8676, 40.3922, 18.3176



25.3171, 40.3922, 37.1484



43.9166, 40.3922, 98.4015

Complementary

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



48.8676, 40.3922, 18.3176



41.4022, 49.1643, 89.7452

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.



35.9254, 40.3922, 102.0671



48.8676, 40.3922, 18.3176



25.8812, 40.3922, 60.8986

Square

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



48.8676, 40.3922, 18.3176



27.8682, 40.3922, 21.7359



29.5312, 40.3922, 86.5605



51.2778, 40.3922, 77.7921

Rectangle

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



48.8676, 40.3922, 18.3176



35.7203, 40.3922, 13.6380



29.5312, 40.3922, 86.5605



41.1928, 40.3922, 101.8771

Sweetspot

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



48.8686, 40.3943, 18.3184



80.1017, 80.0401, 73.2836



51.2176, 32.5590, 57.7398



16.8081, 16.6754, 14.9032



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.



48.8686, 40.3943, 18.3184



51.6130, 39.5935, 12.8251



62.1777, 67.0126, 22.7547



16.1807, 16.5745, 16.4961



21.1875, 13.1730, 1.4259



1.8486, 1.2679, 0.1473

Inverse Universe

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



41.4022, 49.1643, 89.7452



42.1881, 50.3821, 102.1089



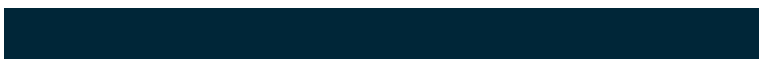
29.5806, 25.5211, 85.8047



15.8013, 17.0368, 20.1772



16.0123, 18.2488, 47.8063



1.4209, 1.6959, 4.0067

Previews

White Background



This preview shows how the XYZ color 48.8676, 40.3922, 18.3176 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 48.8676, 40.3922, 18.3176 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 48.8676, 40.3922, 18.3176

Background



This preview shows how black text looks on a background with the XYZ color 48.8676, 40.3922, 18.3176.



This preview shows how white text looks on a background with the XYZ color 48.8676, 40.3922,

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

48.8676, 40.3922, 18.3176

Protanopia

37.5511, 40.6324, 21.4865

Deuteranopia

41.4586, 40.5439, 17.9526



Tritanopia

52.0729, 40.3388, 34.3198

Trichromacy



Original Color

48.8676, 40.3922, 18.3176

Protanomaly

40.9116, 39.9456, 20.3058

Deuteranomaly

43.9704, 40.2889, 18.0294

Tritanomaly

50.7435, 40.2434, 27.6475

Monochromacy



Original Color

48.8676, 40.3922, 18.3176

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

40.6143, 39.5181, 32.6813

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.8676, 40.3922, 18.3176 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(240, 147, 104)` looks like.

```
.text, #text, p{  
    color:rgb(240, 147, 104)  
}
```

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(240, 147, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 147, 104) }
```

Border

The CSS property to change the border of an element to XYZ 48.8676, 40.3922, 18.3176 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(240, 147, 104) }
```


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

```
.border{ border-color:rgb(240, 147, 104) }
```

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

Here you see how a box with a 4 pixel rgb(240, 147, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 147, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 147, 104);  
box-shadow:4px 4px 4px 4px rgb(240, 147,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 48.8676, 40.3922, 18.3176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 147, 104) }
```

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

```
.background{ background-color: rgb(240,  
147, 104) }
```

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