

Converting Colors

XYZ(48.4237, 37.3944, 7.6812)

Have a look what the booklet for
XYZ(48.4237, 37.3944, 7.6812)
contains.

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Color

**XYZ(48.3876, 37.3293,
7.6726)**

Conversions

Conversions Part 1

Format	Color
Hex	FA8532
RGB	250, 133, 50
RGB Percent	98%, 52%, 20%
CMY	0.0196, 0.4784, 0.8039
CMYK	0.00, 0.47, 0.80, 0.02
HSL	25°, 95%, 59%
HSV	25°, 80%, 98%
XYZ	48.3876, 37.3293, 7.6726
YIQ	158.5210, 96.3750, -1.0090

Conversions

Conversions Part 2

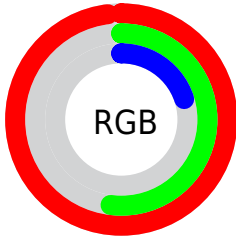
Format	Color
R_{YB}	250, 192, 50
Decimal	16418098
CIE _{Lab}	67.52, 39.23, 61.40
CIE _{LCh}	68, 72.859, 57.426
Yxy	37.3293, 0.5181, 0.3997
Android (android.graphics.Color)	4294608178 (0xFFFA8532)
YUV	158.5210, -53.5009, 80.2271
Hunter-Lab	61.0977, 34.4458, 35.3228

Details

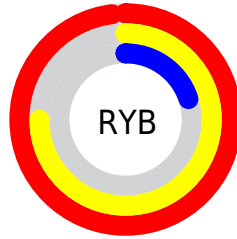
The XYZ color **48.3876, 37.3293, 7.6726** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **32.3885, 35.2157, 95.5321**, and the grayscale version is **32.9426, 34.6582, 37.7428**.

A 20% lighter version of the original color is **61.4585, 57.7799, 20.7454**, and **23.4359, 16.4497, 1.9399** is the 20% darker color. If you saturate the color by 10%, you get **46.1233, 33.4414, 4.9437**, and if you desaturate by 10%, it is **51.2264, 41.8964, 12.0440**.

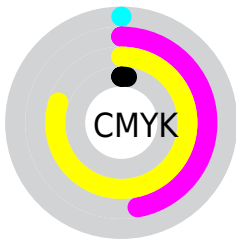
Distribution



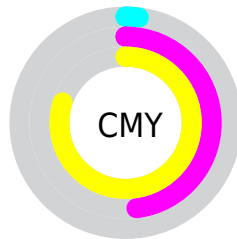
- Red (98%)
- Green (52%)
- Blue (20%)



- Red (98%)
- Yellow (75%)
- Blue (20%)



- Cyan (0%)
- Magenta (47%)
- Yellow (80%)
- Black (2%)





- Cyan (2%)
- Magenta (48%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.3876, 37.3293, 7.6726 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 48.3876, 37.3293, 7.6726 by changing the saturation by 10% instead.


 48.3876, 37.3293,
7.6726


 48.3876, 37.3293,
7.6726


370.8835,
334.7340, 182.9787

 34.3465, 25.4626,
3.8014


 86.9874, 71.0790,
21.8495


 23.3240, 16.4220,
1.5170


 112.2768, 93.7307,
32.9924

 14.9550, 9.8233,
0.2306


 142.0464,
120.7461, 47.3962

 8.8739, 5.2819,
0.0000

 176.6614,
152.5098, 65.4795

 4.7155, 2.4136,
0.0000

 216.4873,
189.4060, 87.6609

 2.1143, 0.8329,
0.0000

 261.8893,

 0.6970, 0.0000,

231.8192, 114.3588

0.0000

313.2330,
280.1337, 145.9919

■ 0.0000, 0.0000,
0.0000

■ 48.3876, 37.3293,
7.6726

■ 48.3876, 37.3293,
7.6726

■ 46.1233, 33.4414,
4.9437

■ 51.2264, 41.8964,
12.0440

■ 44.3502, 30.1761,
3.4871


■ 54.6899, 47.1749,
18.2805


■ 44.3500, 30.1757,
3.4870

■ 58.8244, 53.2015,
26.5715


■ 63.6703, 60.0079,
37.0822

■ 69.2644, 67.6236,
49.9608

 75.6409, 76.0765,
65.3426

 82.8314, 85.3929,
83.3527

 90.8657, 95.5980,
104.1075

 93.2341, 99.0639,
108.8150

Harmonies

Analogous

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



58.2408, 37.3293, 18.3373



48.3876, 37.3293, 7.6726



36.4568, 37.3293, 4.9169

Triad

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



48.3876, 37.3293, 7.6726



18.0184, 37.3293, 37.9368



46.3558, 37.3293, 123.6761

Complementary

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



48.3876, 37.3293, 7.6726



32.3885, 35.2157, 95.5321

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.



34.5216, 37.3293, 138.6732



48.3876, 37.3293, 7.6726



19.5891, 37.3293, 76.1967

Square

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



48.3876, 37.3293, 7.6726



20.2475, 37.3293, 15.6565



25.1005, 37.3293, 117.9483



56.9048, 37.3293, 83.7292

Rectangle

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



48.3876, 37.3293, 7.6726



29.4126, 37.3293, 5.6258



25.1005, 37.3293, 117.9483



42.3301, 37.3293, 132.4919

Sweetspot

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



48.3884, 37.3313, 7.6733



76.3389, 75.9135, 61.5505



47.8206, 25.5076, 40.4336



15.8357, 15.5791, 11.9629



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.



48.3884, 37.3313, 7.6733



47.0680, 32.8265, 4.1483



68.2966, 77.1476, 14.3093



17.8364, 18.4087, 18.0755



23.6588, 16.2743, 1.8943



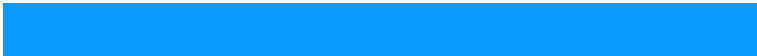
2.2930, 1.7109, 0.2094

Inverse Universe

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



32.3885, 35.2157, 95.5321



29.6346, 30.1996, 98.8749



20.7611, 11.9609, 91.6563



17.1268, 18.3303, 22.0207



14.7702, 14.8959, 50.0703



1.4725, 1.5888, 4.6722

Previews

White Background



This preview shows how the XYZ color 48.3876, 37.3293, 7.6726 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 48.3876, 37.3293, 7.6726 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 48.3876, 37.3293, 7.6726

Background



This preview shows how black text looks on a background with the XYZ color 48.3876, 37.3293, 7.6726.



This preview shows how white text looks on a background with the XYZ color 48.3876, 37.3293,

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

48.3876, 37.3293, 7.6726

Protanopia

34.0117, 37.4164, 9.5671

Deuteranopia

38.0208, 37.2024, 7.2747



Tritanopia

52.4403, 37.4315, 26.6514

Trichromacy



Original Color

48.3876, 37.3293, 7.6726

Protanomaly

38.1175, 36.4779, 8.7733

Deuteranomaly

41.4760, 37.0496, 7.3481

Tritanomaly

50.6754, 37.3003, 17.3607

Monochromacy



Original Color

48.3876, 37.3293, 7.6726

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

35.9743, 34.3511, 22.1871

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.3876, 37.3293, 7.6726 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(250, 133, 50)` looks like.

```
.text, #text, p{  
    color:rgb(250, 133, 50)  
}
```

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(250, 133, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 133, 50) }
```

Border

The CSS property to change the border of an element to XYZ 48.3876, 37.3293, 7.6726 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(250, 133, 50) }
```


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

```
.border{ border-color:rgb(250, 133, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 133, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 133, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 133, 50);  
box-shadow:4px 4px 4px 4px rgb(250, 133,  
50) }
```

Background

The CSS property to change the background color of an element to XYZ 48.3876, 37.3293, 7.6726 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 133, 50) }
```

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

```
.background{ background-color: rgb(250,  
133, 50) }
```

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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