

Converting Colors

XYZ(49.4684, 37.0818, 6.6302)

Have a look what the booklet for
XYZ(49.4684, 37.0818, 6.6302)
contains.

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Color

**XYZ(49.4905, 37.1206,
6.6544)**

Conversions

Conversions Part 1

Format	Color
Hex	FF8129
RGB	255, 129, 41
RGB Percent	100%, 51%, 16%
CMY	0.0000, 0.4941, 0.8392
CMYK	0.00, 0.49, 0.84, 0.00
HSL	25°, 100%, 58%
HSV	25°, 84%, 100%
XYZ	49.4905, 37.1206, 6.6544
YIQ	156.6420, 103.3440, -0.6560

Conversions

Conversions Part 2

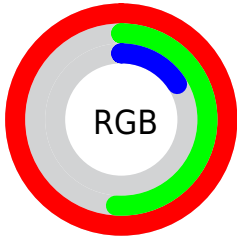
Format	Color
R _Y B	255, 190, 41
Decimal	16744745
CIE Lab	67.37, 42.91, 64.96
CIE LCh	67, 77.850, 56.552
Yxy	37.1206, 0.5306, 0.3980
Android (android.graphics.Color)	4294934825 (0xFFFF8129)
YUV	156.6420, -57.0115, 86.2600
Hunter-Lab	60.9267, 38.3732, 36.1730

Details

The XYZ color **49.4905, 37.1206, 6.6544** 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 **32.7821, 35.3268, 99.6980**, and the grayscale version is **32.1036, 33.7755, 36.7815**.

A 20% lighter version of the original color is **60.4460, 56.3672, 18.5206**, and **24.1397, 16.3841, 1.8901** is the 20% darker color. If you saturate the color by 10%, you get **47.3463, 33.3293, 4.4088**, and if you desaturate by 10%, it is **52.2145, 41.6121, 10.5123**.

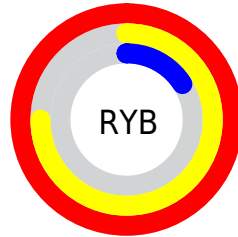
Distribution



Red (100%)

Green (51%)

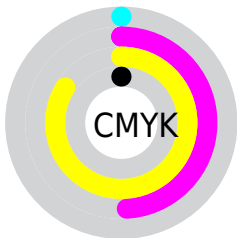
Blue (16%)



Red (100%)

Yellow (75%)

Blue (16%)

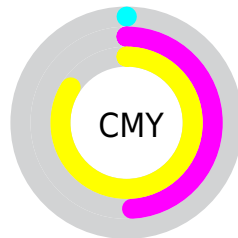


Cyan (0%)

Magenta (49%)

Yellow (84%)

Black (0%)



Cyan (0%)


Magenta (49%)


Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.4905, 37.1206, 6.6544 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 49.4905, 37.1206, 6.6544 by changing the saturation by 10% instead.


 49.4905, 37.1206,
6.6544


 49.4905, 37.1206,
6.6544


375.1551,
333.8324, 174.2808

 35.2249, 25.3009,
3.1718


 88.6159, 70.7582,
19.7754


 24.0035, 16.3014,
1.1830


 114.2063, 93.3449,
30.2508


 15.4609, 9.7377,
0.0000


 144.3024,
120.2894, 43.8943

 9.2319, 5.2254,
0.0000

 179.2695,
151.9761, 61.1243

 4.9511, 2.3801,
0.0000

 219.4730,
188.7893, 82.3595

 2.2531, 0.8156,
0.0000

 265.2782,

 0.7705, 0.0000,

231.1135, 108.0182

0.0000

317.0504,
279.3330, 138.5192

■ 0.0000, 0.0000,
0.0000

■ 49.4905, 37.1206,
6.6544

■ 49.4905, 37.1206,
6.6544

■ 47.3463, 33.3293,
4.4088

■ 52.2145, 41.6121,
10.5123

■ 46.2778, 31.3360,
3.6093

■ 55.5757, 46.8408,
16.2380

■ 59.6255, 52.8466,
24.0430

■ 64.4086, 59.6645,
34.1095

■ 69.9650, 67.3268,
46.5998

76.3319, 75.8636,
61.6607

83.5436, 85.3037,
79.4275

91.6324, 95.6743,
100.0258

95.0497, 99.9998,
108.9000

Harmonies

Analogous

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



60.0267, 37.1206, 17.5952



49.4905, 37.1206, 6.6544



36.6791, 37.1206, 3.9178

Triad

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



49.4905, 37.1206, 6.6544



16.9855, 37.1206, 36.5957



46.5573, 37.1206, 132.2234

Complementary

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



49.4905, 37.1206, 6.6544



32.7821, 35.3268, 99.6980

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.



33.9208, 37.1206, 147.8005



49.4905, 37.1206, 6.6544



18.4879, 37.1206, 77.4560

Square

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



49.4905, 37.1206, 6.6544



19.3988, 37.1206, 13.9511



24.0920, 37.1206, 123.7093



58.0827, 37.1206, 88.4969

Rectangle

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



49.4905, 37.1206, 6.6544



29.1441, 37.1206, 4.4931



24.0920, 37.1206, 123.7093



42.2264, 37.1206, 141.7088

Sweetspot

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



49.4913, 37.1226, 6.6550



75.6049, 74.8994, 59.9068



49.2319, 25.7256, 40.1045



15.6903, 15.3751, 11.6471



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.



49.4913, 37.1226, 6.6550



46.2781, 31.3362, 3.6094



70.9489, 80.0378, 13.8076



18.6229, 19.2139, 18.8715



24.3196, 16.6505, 1.9321



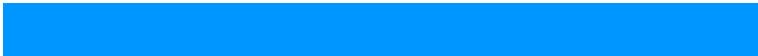
2.4723, 1.8301, 0.2229

Inverse Universe

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



32.7821, 35.3268, 99.6980



28.9775, 29.0750, 98.6925



20.7091, 11.1807, 95.6736



17.8919, 19.1555, 23.0043



15.2920, 15.4936, 51.6192



1.5966, 1.7239, 5.0619

Previews

White Background



This preview shows how the XYZ color 49.4905, 37.1206, 6.6544 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 49.4905, 37.1206, 6.6544 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 49.4905, 37.1206, 6.6544

Background



This preview shows how black text looks on a background with the XYZ color 49.4905, 37.1206, 6.6544.



This preview shows how white text looks on a background with the XYZ color 49.4905, 37.1206,

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

49.4905, 37.1206, 6.6544

Protanopia

33.7980, 37.3309, 8.4419

Deuteranopia

37.8302, 37.1262, 6.2708



Tritanopia

52.4197, 37.0646, 25.8641

Trichromacy



Original Color

49.4905, 37.1206, 6.6544

Protanomaly

38.3197, 36.3633, 7.6885

Deuteranomaly

41.2939, 36.5149, 6.3105

Tritanomaly

50.7782, 36.8091, 15.9838

Monochromacy



Original Color

49.4905, 37.1206, 6.6544

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

35.5205, 33.4427, 20.8026

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.4905, 37.1206, 6.6544 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(255, 129, 41)` looks like.

```
.text, #text, p{  
    color:rgb(255, 129, 41)  
}
```

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(255, 129, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 129, 41) }
```

Border

The CSS property to change the border of an element to XYZ 49.4905, 37.1206, 6.6544 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(255, 129, 41) }
```


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

```
.border{ border-color:rgb(255, 129, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 129, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 129, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 129, 41);  
box-shadow:4px 4px 4px 4px rgb(255, 129,  
41) }
```

Background

The CSS property to change the background color of an element to XYZ 49.4905, 37.1206, 6.6544 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 129, 41) }
```

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

```
.background{ background-color: rgb(255,  
129, 41) }
```

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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