

Converting Colors

XYZ(49.1393, 36.0611, 7.6382)

Have a look what the booklet for
XYZ(49.1393, 36.0611, 7.6382)
contains.

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Color

**XYZ(49.1934, 36.1752,
7.6385)**

Conversions

Conversions Part 1

Format	Color
Hex	FF7D34
RGB	255, 125, 52
RGB Percent	100%, 49%, 20%
CMY	0.0000, 0.5098, 0.7961
CMYK	0.00, 0.51, 0.80, 0.00
HSL	22°, 100%, 60%
HSV	22°, 80%, 100%
XYZ	49.1934, 36.1752, 7.6385
YIQ	155.5480, 100.9130, 4.8570

Conversions

Conversions Part 2

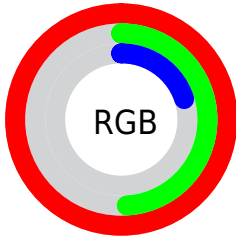
Format	Color
RYB	255, 166, 52
Decimal	16743732
CIELab	66.65, 45.18, 60.02
CIELCh	67, 75.124, 53.030
Yxy	36.1752, 0.5289, 0.3890
Android (android.graphics.Color)	4294933812 (0xFFFF7D34)
YUV	155.5480, -51.0492, 87.2194
Hunter-Lab	60.1458, 40.7404, 34.5723

Details

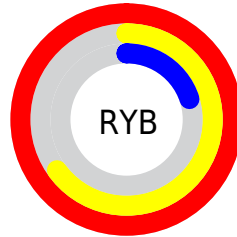
The XYZ color **49.1934, 36.1752, 7.6385** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **36.1925, 41.4028, 100.6908**, and the grayscale version is **31.5884, 33.2334, 36.1912**.

A 20% lighter version of the original color is **60.0599, 54.9020, 20.5283**, and **23.8032, 15.7111, 1.7780** is the 20% darker color. If you saturate the color by 10%, you get **46.8663, 32.2057, 4.7532**, and if you desaturate by 10%, it is **52.1717, 40.9522, 12.2693**.

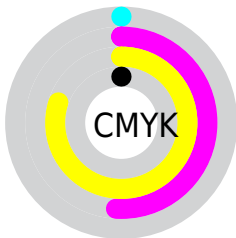
Distribution



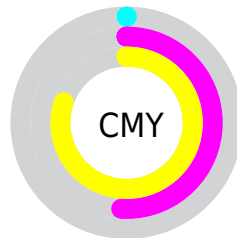
- Red (100%)
- Green (49%)
- Blue (20%)



- Red (100%)
- Yellow (65%)
- Blue (20%)



- Cyan (0%)
- Magenta (51%)
- Yellow (80%)
- Black (0%)





- Cyan (0%)
- Magenta (51%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.1934, 36.1752, 7.6385 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 49.1934, 36.1752, 7.6385 by changing the saturation by 10% instead.


 49.1934, 36.1752,
7.6385


 49.1934, 36.1752,
7.6385

374.0075,
329.7257, 182.6959

 34.9881, 24.5695,
3.7801


 88.1776, 69.3024,
21.7810

 23.8202, 15.7566,
1.5055

 113.6872, 91.5927,
32.9022


 15.3243, 9.3521,
0.2220


 143.6957,
118.2134, 47.2813

 9.1351, 4.9716,
0.0000

 178.5683,
149.5488, 65.3370

 4.8872, 2.2306,
0.0000

 218.6704,
185.9833, 87.4877

 2.2153, 0.7366,
0.0000

 264.3674,

 0.7508, 0.0000,

227.9014, 114.1521

0.0000

316.0247,
275.6874, 145.7486

■ 0.0000, 0.0000,
0.0000

■ 49.1934, 36.1752,
7.6385

■ 49.1934, 36.1752,
7.6385

■ 46.8663, 32.2057,
4.7532

■ 52.1717, 40.9522,
12.2693

■ 45.1027, 28.9772,
3.2448

■ 55.8580, 46.5793,
18.8791

■ 45.0416, 28.8638,
3.1973

■ 60.3042, 53.1020,
27.6670

■ 65.5563, 60.5607,
38.8067

■ 71.6561, 68.9928,
52.4545

■ 78.6423, 78.4337,
68.7528

■ 86.5509, 88.9168,
87.8334

95.0496, 99.9998,
108.9000

Harmonies

Analogous

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



58.5367, 36.1752, 19.6994



49.1934, 36.1752, 7.6385



37.0911, 36.1752, 4.2677

Triad

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



49.1934, 36.1752, 7.6385



16.9970, 36.1752, 32.3025



43.6138, 36.1752, 129.0275

Complementary

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



49.1934, 36.1752, 7.6385



36.1925, 41.4028, 100.6908

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.



31.8109, 36.1752, 139.2196



49.1934, 36.1752, 7.6385



17.9994, 36.1752, 69.1295

Square

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



49.1934, 36.1752, 7.6385



19.7689, 36.1752, 12.5477



22.8912, 36.1752, 113.0617



54.8533, 36.1752, 89.9839

Rectangle

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



49.1934, 36.1752, 7.6385



29.7090, 36.1752, 4.5329



22.8912, 36.1752, 113.0617



39.5242, 36.1752, 136.5832

Sweetspot

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



49.1942, 36.1772, 7.6391



75.4624, 74.1606, 61.2584



51.1142, 27.1746, 47.8711



15.6275, 15.1627, 11.8935



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.



49.1942, 36.1772, 7.6391



45.6861, 30.0629, 3.6877



68.6630, 75.1149, 14.1287



18.5440, 19.0562, 18.8452



23.6635, 15.3383, 1.7134



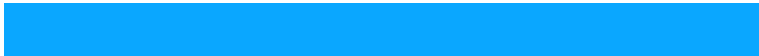
2.4031, 1.6915, 0.1998

Inverse Universe

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



36.1925, 41.4028, 100.6908



31.9889, 34.9082, 99.6597



22.5176, 14.0530, 96.1325



17.9732, 19.3180, 23.0314



16.4487, 17.8069, 52.0047



1.7051, 1.9410, 5.0980

Previews

White Background



This preview shows how the XYZ color 49.1934, 36.1752, 7.6385 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 49.1934, 36.1752, 7.6385 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 49.1934, 36.1752, 7.6385

Background



This preview shows how black text looks on a background with the XYZ color 49.1934, 36.1752, 7.6385.



This preview shows how white text looks on a background with the XYZ color 49.1934, 36.1752,

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

49.1934, 36.1752, 7.6385

Protanopia

33.0227, 36.3659, 9.8363

Deuteranopia

36.8754, 36.1157, 7.2180



Tritanopia

51.7872, 36.2252, 24.3414

Trichromacy



Original Color

49.1934, 36.1752, 7.6385

Protanomaly

37.5236, 35.2103, 8.8215

Deuteranomaly

40.7470, 35.5302, 7.2952

Tritanomaly

50.4998, 36.0992, 16.3628

Monochromacy



Original Color

49.1934, 36.1752, 7.6385

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

35.1336, 32.7653, 21.6121

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.1934, 36.1752, 7.6385 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, 125, 52)` looks like.

```
.text, #text, p{  
    color:rgb(255, 125, 52)  
}
```

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, 125, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 125, 52) }
```

Border

The CSS property to change the border of an element to XYZ 49.1934, 36.1752, 7.6385 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, 125, 52) }
```


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

```
.border{ border-color:rgb(255, 125, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 125, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 125, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 125, 52);  
box-shadow:4px 4px 4px 4px rgb(255, 125,  
52) }
```

Background

The CSS property to change the background color of an element to XYZ 49.1934, 36.1752, 7.6385 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 125, 52) }
```

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

```
.background{ background-color: rgb(255,  
125, 52) }
```

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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