

Converting Colors

XYZ(48.9341, 35.9113, 7.5566)

Have a look what the booklet for
XYZ(48.9341, 35.9113, 7.5566)
contains.

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Color

**XYZ(49.0675, 35.9232,
7.5965)**

Conversions

Conversions Part 1

Format	Color
Hex	FF7C34
RGB	255, 124, 52
RGB Percent	100%, 49%, 20%
CMY	0.0000, 0.5137, 0.7961
CMYK	0.00, 0.51, 0.80, 0.00
HSL	21°, 100%, 60%
HSV	21°, 80%, 100%
XYZ	49.0675, 35.9232, 7.5965
YIQ	154.9610, 101.1880, 5.3800

Conversions

Conversions Part 2

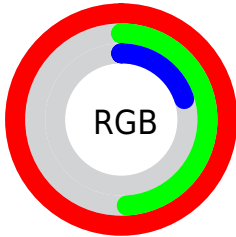
Format	Color
R _Y B	255, 164, 52
Decimal	16743476
CIE Lab	66.46, 45.67, 59.84
CIE LCh	66, 75.274, 52.651
Yxy	35.9232, 0.5300, 0.3880
Android (android.graphics.Color)	4294933556 (0xFFFF7C34)
YUV	154.9610, -50.7598, 87.7342
Hunter-Lab	59.9360, 41.2438, 34.4405

Details

The XYZ color **49.0675, 35.9232, 7.5965** 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 **36.3982, 41.8142, 100.7597**, and the grayscale version is **31.3258, 32.9572, 35.8904**.

A 20% lighter version of the original color is **59.8588, 54.4997, 20.4613**, and **23.7391, 15.5828, 1.7566** is the 20% darker color. If you saturate the color by 10%, you get **46.7474, 31.9679, 4.7135**, and if you desaturate by 10%, it is **52.0430, 40.6945, 12.2263**.

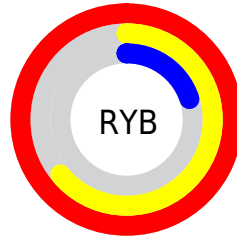
Distribution



Red (100%)

Green (49%)

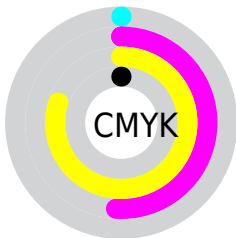
Blue (20%)



Red (100%)

Yellow (64%)

Blue (20%)

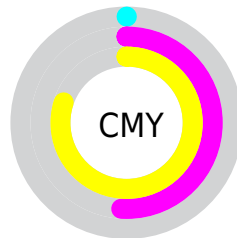


Cyan (0%)

Magenta (51%)

Yellow (80%)

Black (0%)



Cyan (0%)


Magenta (51%)


Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.0675, 35.9232, 7.5965 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 49.0675, 35.9232, 7.5965 by changing the saturation by 10% instead.


 49.0675, 35.9232,
7.5965


 49.0675, 35.9232,
7.5965

373.5205,
328.6247, 182.3468

 34.8878, 24.3749,
3.7538


 87.9918, 68.9135,
21.6965


 23.7426, 15.6119,
1.4913


 113.4671, 91.1243,
32.7909


 15.2665, 9.2500,
0.2114


 143.4383,
117.6580, 47.1396

 9.0941, 4.9046,
0.0000

 178.2708,
148.8991, 65.1612

 4.8602, 2.1914,
0.0000

 218.3299,
185.2319, 87.2741

 2.1994, 0.7153,
0.0000

 263.9810,

 0.7424, 0.0000,

227.0409, 113.8970

0.0000

315.5894,
274.7103, 145.4484

■ 0.0000, 0.0000,
0.0000

■ 49.0675, 35.9232,
7.5965

■ 49.0675, 35.9232,
7.5965

■ 46.7474, 31.9679,
4.7135

■ 52.0430, 40.6945,
12.2263

■ 44.9948, 28.7611,
3.2087

■ 55.7311, 46.3253,
18.8368

■ 44.9342, 28.6487,
3.1615

■ 60.1842, 52.8618,
27.6270

■ 65.4486, 60.3451,
38.7708

■ 71.5665, 68.8133,
52.4246

■ 78.5767, 78.3024,
68.7310

■ 86.5157, 88.8463,
87.8219

95.0497, 99.9999,
108.9000

Harmonies

Analogous

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



58.3313, 35.9232, 19.7347



49.0675, 35.9232, 7.5965



36.9944, 35.9232, 4.1892

Triad

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



49.0675, 35.9232, 7.5965



16.8317, 35.9232, 31.6939



43.1984, 35.9232, 129.0265

Complementary

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



49.0675, 35.9232, 7.5965



36.3982, 41.8142, 100.7597

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.



31.4438, 35.9232, 138.7496



49.0675, 35.9232, 7.5965



17.7820, 35.9232, 68.2513

Square

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



49.0675, 35.9232, 7.5965



19.6392, 35.9232, 12.2339



22.6020, 35.9232, 112.2066



54.4553, 35.9232, 90.2066

Rectangle

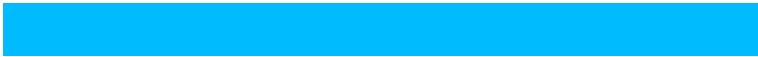
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49.0675, 35.9232, 7.5965



29.6097, 35.9232, 4.4184



22.6020, 35.9232, 112.2066



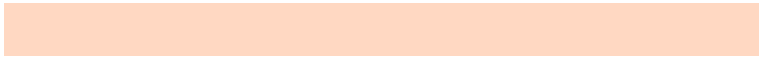
39.1189, 35.9232, 136.4409

Sweetspot

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



49.0683, 35.9252, 7.5971



75.3853, 74.0063, 61.2327



51.1143, 27.1746, 47.8713



15.6092, 15.1261, 11.8874



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.



49.0683, 35.9252, 7.5971



45.5737, 29.8381, 3.6502



68.6633, 75.1151, 14.1288



18.5365, 19.0412, 18.8427



23.6062, 15.2236, 1.6943



2.3969, 1.6792, 0.1978

Inverse Universe

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



36.3982, 41.8142, 100.7597



32.2109, 35.3523, 99.7337



22.5176, 14.0530, 96.1328



17.9810, 19.3336, 23.0340



16.5655, 18.0407, 52.0437



1.7160, 1.9627, 5.1017

Previews

White Background



This preview shows how the XYZ color 49.0675, 35.9232, 7.5965 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 49.0675, 35.9232, 7.5965 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 49.0675, 35.9232, 7.5965

Background



This preview shows how black text looks on a background with the XYZ color 49.0675, 35.9232, 7.5965.



This preview shows how white text looks on a background with the XYZ color 49.0675, 35.9232,

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

49.0675, 35.9232, 7.5965

Protanopia

32.8459, 36.0122, 9.7773

Deuteranopia

36.8754, 36.1157, 7.2180



Tritanopia

51.6027, 35.9600, 23.9599

Trichromacy



Original Color

49.0675, 35.9232, 7.5965

Protanomaly

37.3660, 34.8952, 8.7690

Deuteranomaly

40.7470, 35.5302, 7.2952

Tritanomaly

50.3295, 35.8356, 16.0687

Monochromacy



Original Color

49.0675, 35.9232, 7.5965

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

34.7291, 32.3309, 21.5496

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.0675, 35.9232, 7.5965 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, 124, 52)` looks like.

```
.text, #text, p{  
    color:rgb(255, 124, 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, 124, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 124, 52) }
```

Border

The CSS property to change the border of an element to XYZ 49.0675, 35.9232, 7.5965 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, 124, 52) }
```


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

```
.border{ border-color:rgb(255, 124, 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, 124, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 124, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 124, 52);  
box-shadow:4px 4px 4px 4px rgb(255, 124,  
52) }
```

Background

The CSS property to change the background color of an element to XYZ 49.0675, 35.9232, 7.5965 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 124, 52) }
```

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

```
.background{ background-color: rgb(255,  
124, 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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