

Converting Colors

XYZ(81.9701, 52.2030, 13.4007)

Have a look what the booklet for
XYZ(81.9701, 52.2030, 13.4007)
contains.

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Color

**XYZ(49.5253, 35.5139,
11.8340)**

Conversions

Conversions Part 1

Format	Color
Hex	FF7950
RGB	255, 121, 80
RGB Percent	100%, 47%, 31%
CMY	0.0000, 0.5255, 0.6863
CMYK	0.00, 0.53, 0.69, 0.00
HSL	14°, 100%, 66%
HSV	14°, 69%, 100%
XYZ	49.5253, 35.5139, 11.8340
YIQ	156.3920, 93.0250, 15.6570

Conversions

Conversions Part 2

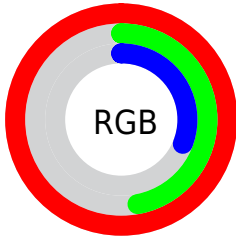
Format	Color
RYB	255, 134, 80
Decimal	16742736
CIELab	66.15, 48.26, 46.19
CIELCh	66, 66.804, 43.740
Yxy	35.5139, 0.5112, 0.3666
Android (android.graphics.Color)	4294932816 (0xFFFF7950)
YUV	156.3920, -37.6613, 86.4792
Hunter-Lab	59.5935, 44.0540, 29.9418

Details

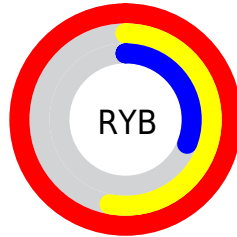
The XYZ color **49.5253, 35.5139, 11.8340** is a light color, and the websafe version is hex **FF6633**. The color can be described as light muted orange. A complement of this color would be **45.4028, 57.0147, 103.2190**, and the grayscale version is **31.9103, 33.5722, 36.5601**.

A 20% lighter version of the original color is **60.8621, 53.9494, 28.6782**, and **24.0061, 15.3251, 3.0593** is the 20% darker color. If you saturate the color by 10%, you get **46.6182, 30.9325, 7.0656**, and if you desaturate by 10%, it is **53.2715, 41.2024, 18.6452**.

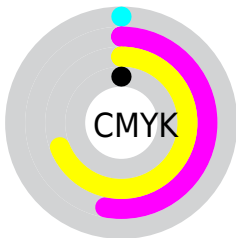
Distribution



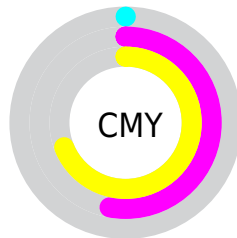
- Red (100%)
- Green (47%)
- Blue (31%)



- Red (100%)
- Yellow (53%)
- Blue (31%)



- Cyan (0%)
- Magenta (53%)
- Yellow (69%)
- Black (0%)




- Cyan (0%)
- Magenta (53%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.5253, 35.5139, 11.8340 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 49.5253, 35.5139, 11.8340 by changing the saturation by 10% instead.


 49.5253, 35.5139,
11.8340


 49.5253, 35.5139,
11.8340

375.2894,
326.8309, 214.2420

 35.2526, 24.0590,
6.5096


 88.6672, 68.2811,
29.8523


 24.0250, 15.3774,
3.0836


 114.2671, 90.3622,
43.3832


 15.4770, 9.0847,
1.1375


 144.3734,
116.7542, 60.4867

 9.2433, 4.7965,
0.0000

 179.3516,
147.8415, 81.5814

 4.9586, 2.1283,
0.0000

 219.5669,
184.0083, 107.0857

 2.2575, 0.6805,
0.0000

265.3848,

 0.7728, 0.0000,

225.6393, 137.4182

0.0000

317.1705,
273.1187, 172.9974

■ 0.0000, 0.0000,
0.0000

■ 49.5253, 35.5139,
11.8340

■ 49.5253, 35.5139,
11.8340

■ 46.6182, 30.9325,
7.0656

■ 53.2715, 41.2024,
18.6452

■ 44.4757, 27.3770,
4.1027

■ 57.9173, 48.0601,
27.6971

■ 43.0053, 24.7602,
2.6131

■ 63.5200, 56.1512,
39.1658

■ 42.8427, 24.4658,
2.4643

■ 70.1313, 65.5332,
53.2094

■ 77.7990, 76.2602,
69.9723

 86.5677, 88.3829,
89.5885

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.



55.9226, 35.5139, 27.0741



49.5253, 35.5139, 11.8340



39.3919, 35.5139, 6.3356

Triad

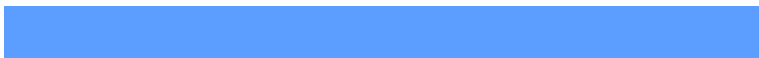
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



49.5253, 35.5139, 11.8340



18.5351, 35.5139, 25.2824



38.4991, 35.5139, 119.8907

Complementary

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



49.5253, 35.5139, 11.8340



45.4028, 57.0147, 103.2190

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.



28.6831, 35.5139, 118.5713



49.5253, 35.5139, 11.8340



18.3897, 35.5139, 53.1750

Square

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



49.5253, 35.5139, 11.8340



22.1938, 35.5139, 11.0780



21.7476, 35.5139, 90.1766



48.7621, 35.5139, 93.2021

Rectangle

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



49.5253, 35.5139, 11.8340



32.5239, 35.5139, 5.7352



21.7476, 35.5139, 90.1766



35.0165, 35.5139, 122.9987

Sweetspot

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



49.5261, 35.5158, 11.8346



75.8818, 73.5905, 65.7413



56.2673, 31.8609, 66.9139



15.7808, 15.1074, 13.0603



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.



49.5261, 35.5158, 11.8346



45.8142, 29.6225, 5.8775



65.3249, 67.1134, 17.1009



18.3548, 18.6777, 18.7821



22.4801, 12.9715, 1.3189



2.2681, 1.4215, 0.1548

Inverse Universe

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



45.4028, 57.0147, 103.2190



41.2440, 51.9420, 102.4598



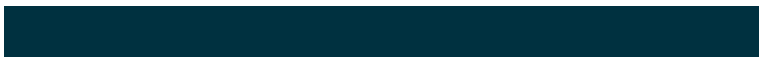
28.9047, 24.0185, 97.7196



18.1729, 19.7173, 23.0980



19.7775, 24.4646, 53.1143



2.0088, 2.5482, 5.1993

Previews

White Background



This preview shows how the XYZ color 49.5253, 35.5139, 11.8340 looks on a white background.

Color Contrast Check

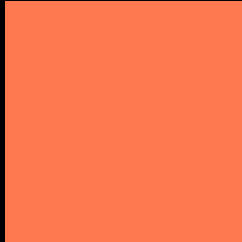
Large Text (above 18pt) WCAG AA × Fail

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 49.5253, 35.5139, 11.8340 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

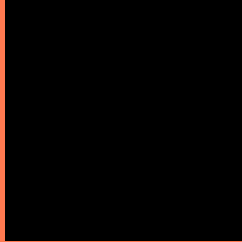
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.5253, 35.5139, 11.8340

Background



This preview shows how black text looks on a background with the XYZ color 49.5253, 35.5139, 11.8340.



This preview shows how white text looks on a background with the XYZ color 49.5253, 35.5139,

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

49.5253, 35.5139, 11.8340

Protanopia

32.8967, 35.6450, 15.7360

Deuteranopia

36.1470, 35.4056, 11.2321



Tritanopia

51.3030, 35.4632, 23.5432

Trichromacy



Original Color

49.5253, 35.5139, 11.8340

Protanomaly

37.2589, 34.2582, 14.0999

Deuteranomaly

40.0428, 34.6316, 11.4116

Tritanomaly

50.4788, 35.3210, 18.6251

Monochromacy



Original Color

49.5253, 35.5139, 11.8340

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

35.4570, 32.4099, 24.8090

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.5253, 35.5139, 11.8340 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, 121, 80)` looks like.

```
.text, #text, p{  
    color:rgb(255, 121, 80)  
}
```

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, 121, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 121, 80) }
```

Border

The CSS property to change the border of an element to XYZ 49.5253, 35.5139, 11.8340 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, 121, 80) }
```


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

```
.border{ border-color:rgb(255, 121, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 121, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 121, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 121, 80);  
box-shadow:4px 4px 4px 4px rgb(255, 121,  
80) }
```

Background

The CSS property to change the background color of an element to XYZ 49.5253, 35.5139, 11.8340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 121, 80) }
```

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

```
.background{ background-color: rgb(255,  
121, 80) }
```

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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