

Converting Colors

XYZ(49.5571, 35.1418, 13.1879)

Have a look what the booklet for
XYZ(49.5571, 35.1418, 13.1879)
contains.

XYZ(49.5571, 35.1418, 13.1879)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(49.5571, 35.1418,
13.1879)**

Conversions

Conversions Part 1

Format	Color
Hex	FF7757
RGB	255, 119, 87
RGB Percent	100%, 47%, 34%
CMY	0.0000, 0.5333, 0.6588
CMYK	0.00, 0.53, 0.66, 0.00
HSL	11°, 100%, 67%
HSV	11°, 66%, 100%
XYZ	49.5571, 35.1418, 13.1879
YIQ	156.0160, 91.3280, 18.8800

Conversions

Conversions Part 2

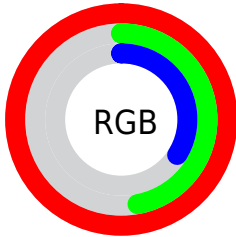
Format	Color
R_{YB}	255, 127, 87
Decimal	16742231
CIE _{Lab}	65.86, 49.59, 42.18
CIE _{LCh}	66, 65.105, 40.384
Yxy	35.1418, 0.5063, 0.3590
Android (android.graphics.Color)	4294932311 (0xFFFF7757)
YUV	156.0160, -34.0249, 86.8090
Hunter-Lab	59.2805, 45.4808, 28.3064

Details

The XYZ color **49.5571, 35.1418, 13.1879** is a light color, and the websafe version is hex **FF6666**. The color can be described as light muted orange. A complement of this color would be **48.3659, 62.0171, 104.0284**, and the grayscale version is **31.7268, 33.3791, 36.3498**.

A 20% lighter version of the original color is **60.9635, 53.3671, 31.1325**, and **24.0115, 15.1403, 3.6643** is the 20% darker color. If you saturate the color by 10%, you get **46.4977, 30.4064, 7.9043**, and if you desaturate by 10%, it is **53.5194, 41.0950, 20.5873**.

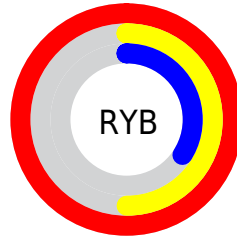
Distribution



Red (100%)

Green (47%)

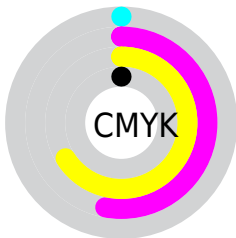
Blue (34%)



Red (100%)

Yellow (50%)

Blue (34%)

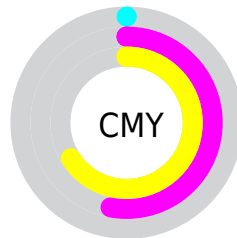


Cyan (0%)

Magenta (53%)

Yellow (66%)

Black (0%)



Cyan (0%)


Magenta (53%)


Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.5571, 35.1418, 13.1879 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 49.5571, 35.1418, 13.1879 by changing the saturation by 10% instead.


 49.5571, 35.1418,
13.1879


 49.5571, 35.1418,
13.1879


375.4121,
325.1938, 223.3684

 35.2780, 23.7721,
7.4258


 88.7141, 67.7054,
32.3371

 24.0446, 15.1647,
3.6473


 114.3226, 89.6681,
46.5612


 15.4916, 8.9350,
1.4339


 144.4383,
115.9306, 64.4432

 9.2537, 4.6988,
0.1680

 179.4266,
146.8773, 86.4014

 4.9655, 2.0717,
0.0000

 219.6527,
182.8925, 112.8545

 2.2616, 0.6486,
0.0000

265.4821,

 0.7749, 0.0000,

224.3608, 144.2210

0.0000

317.2801,
271.6664, 180.9194

■ 0.0000, 0.0000,
0.0000

■ 49.5571, 35.1418,
13.1879

■ 49.5571, 35.1418,
13.1879

■ 46.4977, 30.4064,
7.9043

■ 53.5194, 41.0950,
20.5873

■ 44.2631, 26.7971,
4.5086

■ 58.4487, 48.3378,
30.2947

■ 42.7645, 24.2174,
2.7222

■ 64.4059, 56.9429,
42.4826

■ 42.3207, 23.4218,
2.2903

■ 71.4461, 66.9759,
57.3066

■ 79.6202, 78.4982,
74.9094

88.9762, 91.5675,
95.4234

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.



55.0881, 35.1418, 29.4910



49.5571, 35.1418, 13.1879



40.0009, 35.1418, 6.9189

Triad

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



49.5571, 35.1418, 13.1879



18.8368, 35.1418, 23.0974



36.8458, 35.1418, 117.5551

Complementary

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



49.5571, 35.1418, 13.1879



48.3659, 62.0171, 104.0284

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.



27.5706, 35.1418, 112.9543



49.5571, 35.1418, 13.1879



18.3158, 35.1418, 48.6230

Square

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



49.5571, 35.1418, 13.1879



22.7970, 35.1418, 10.4415



21.2043, 35.1418, 83.8462



46.8696, 35.1418, 94.4306

Rectangle

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



49.5571, 35.1418, 13.1879



33.2776, 35.1418, 5.9823



21.2043, 35.1418, 83.8462



33.5252, 35.1418, 119.3948

Sweetspot

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



49.5579, 35.1437, 13.1885



76.1140, 73.5695, 67.3154



58.1296, 33.4691, 74.0594



15.8035, 15.0586, 13.3585



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.



49.5579, 35.1437, 13.1885



45.7165, 29.1645, 6.6547



64.0336, 64.0952, 18.0137



18.2894, 18.5469, 18.7603



22.1930, 12.3972, 1.2232



2.2314, 1.3481, 0.1426

Inverse Universe

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



48.3659, 62.0171, 104.0284



44.2620, 57.4214, 103.3583



31.3879, 28.0611, 98.3691



18.2434, 19.8585, 23.1215



21.1217, 27.1529, 53.5624



2.1287, 2.7881, 5.2392

Previews

White Background



This preview shows how the XYZ color 49.5571, 35.1418, 13.1879 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 49.5571, 35.1418, 13.1879 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 49.5571, 35.1418, 13.1879

Background



This preview shows how black text looks on a background with the XYZ color 49.5571, 35.1418, 13.1879.



This preview shows how white text looks on a background with the XYZ color 49.5571, 35.1418,

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

49.5571, 35.1418, 13.1879

Protanopia

32.6483, 35.2149, 17.6468

Deuteranopia

35.8652, 35.2320, 12.4996



Tritanopia

51.0605, 35.1808, 22.8383

Trichromacy



Original Color

49.5571, 35.1418, 13.1879

Protanomaly

37.1849, 33.9512, 15.9026

Deuteranomaly

39.9997, 34.5797, 12.7500

Tritanomaly

50.4158, 35.1084, 18.8712

Monochromacy



Original Color

49.5571, 35.1418, 13.1879

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

35.6574, 32.4901, 25.8646

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.5571, 35.1418, 13.1879 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, 119, 87)` looks like.

```
.text, #text, p{  
    color:rgb(255, 119, 87)  
}
```

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, 119, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 119, 87) }
```

Border

The CSS property to change the border of an element to XYZ 49.5571, 35.1418, 13.1879 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, 119, 87) }
```


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

```
.border{ border-color:rgb(255, 119, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 119, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 119, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 119, 87);  
box-shadow:4px 4px 4px 4px rgb(255, 119,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 49.5571, 35.1418, 13.1879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 119, 87) }
```

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

```
.background{ background-color: rgb(255,  
119, 87) }
```

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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