

Converting Colors

XYZ(49.7130, 35.4601, 13.1906)

Have a look what the booklet for
XYZ(49.7130, 35.4601, 13.1906)
contains.

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Color

**XYZ(49.6768, 35.3811,
13.2278)**

Conversions

Conversions Part 1

Format	Color
Hex	FF7857
RGB	255, 120, 87
RGB Percent	100%, 47%, 34%
CMY	0.0000, 0.5294, 0.6588
CMYK	0.00, 0.53, 0.66, 0.00
HSL	12°, 100%, 67%
HSV	12°, 66%, 100%
XYZ	49.6768, 35.3811, 13.2278
YIQ	156.6030, 91.0530, 18.3570

Conversions

Conversions Part 2

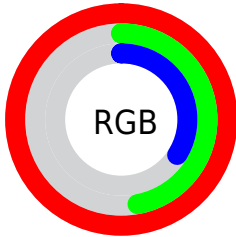
Format	Color
R _Y B	255, 128, 87
Decimal	16742487
CIE Lab	66.04, 49.12, 42.40
CIE LCh	66, 64.887, 40.804
Yxy	35.3811, 0.5054, 0.3600
Android (android.graphics.Color)	4294932567 (0xFFFF7857)
YUV	156.6030, -34.3143, 86.2942
Hunter-Lab	59.4820, 44.9819, 28.4523

Details

The XYZ color **49.6768, 35.3811, 13.2278** 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 **48.0997, 61.4846, 103.9398**, and the grayscale version is **31.9912, 33.6573, 36.6528**.

A 20% lighter version of the original color is **61.1574, 53.7549, 31.1971**, and **24.0694, 15.2561, 3.6836** is the 20% darker color. If you saturate the color by 10%, you get **46.6068, 30.6245, 7.9407**, and if you desaturate by 10%, it is **53.6435, 41.3431, 20.6287**.

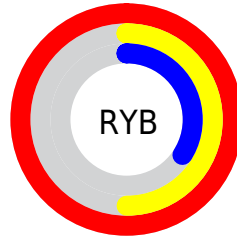
Distribution



Red (100%)

Green (47%)

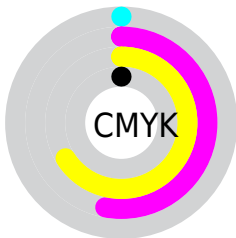
Blue (34%)



Red (100%)

Yellow (50%)

Blue (34%)

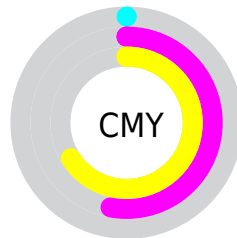


Cyan (0%)

Magenta (53%)

Yellow (66%)

Black (0%)



Cyan (0%)


Magenta (53%)


Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.6768, 35.3811, 13.2278 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 49.6768, 35.3811, 13.2278 by changing the saturation by 10% instead.


 49.6768, 35.3811,
13.2278


 49.6768, 35.3811,
13.2278


375.8736,
326.2473, 223.6313

 35.3734, 23.9566,
7.4530


 88.8905, 68.0757,
32.4096


 24.1185, 15.3014,
3.6643


 114.5315, 90.1146,
46.6537


 15.5468, 9.0312,
1.4430


 144.6825,
116.4605, 64.5580

 9.2928, 4.7615,
0.1750

 179.7087,
147.4976, 86.5411

 4.9913, 2.1080,
0.0000

 219.9756,
183.6105, 113.0214

 2.2769, 0.6691,
0.0000

265.8485,

 0.7828, 0.0000,

225.1835, 144.4175

0.0000

317.6927,
272.6009, 181.1480

■ 0.0000, 0.0000,
0.0000

■ 49.6768, 35.3811,
13.2278

■ 49.6768, 35.3811,
13.2278

■ 46.6068, 30.6245,
7.9407

■ 53.6435, 41.3431,
20.6287

■ 44.3563, 26.9834,
4.5397

■ 58.5701, 48.5805,
30.3352

■ 42.8377, 24.3637,
2.7465

■ 64.5169, 57.1648,
42.5197

■ 42.3847, 23.5497,
2.3116

■ 71.5382, 67.1601,
57.3374

■ 79.6845, 78.6267,
74.9309

89.0030, 91.6211,
95.4325

95.0498, 99.9999,
108.9000

Harmonies

Analogous

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



55.2855, 35.3811, 29.4168



49.6768, 35.3811, 13.2278



40.0898, 35.3811, 7.0148

Triad

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



49.6768, 35.3811, 13.2278



19.0013, 35.3811, 23.5896



37.2191, 35.3811, 117.5859

Complementary

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



49.6768, 35.3811, 13.2278



48.0997, 61.4846, 103.9398

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.



27.9020, 35.3811, 113.4109



49.6768, 35.3811, 13.2278



18.5261, 35.3811, 49.3400

Square

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



49.6768, 35.3811, 13.2278



22.9248, 35.3811, 10.7159



21.4727, 35.3811, 84.5887



47.2333, 35.3811, 94.1995

Rectangle

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



49.6768, 35.3811, 13.2278



33.3697, 35.3811, 6.1113



21.4727, 35.3811, 84.5887



33.8890, 35.3811, 119.5631

Sweetspot

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



49.6776, 35.3830, 13.2284



76.1908, 73.7230, 67.3410



58.1297, 33.4691, 74.0595



15.8216, 15.0947, 13.3645



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.



49.6776, 35.3830, 13.2284



45.8211, 29.3736, 6.6895



64.0337, 64.0953, 18.0138



18.2982, 18.5647, 18.7633



22.2284, 12.4681, 1.2350



2.2361, 1.3575, 0.1442

Inverse Universe

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



48.0997, 61.4846, 103.9398



43.9549, 56.8071, 103.2559



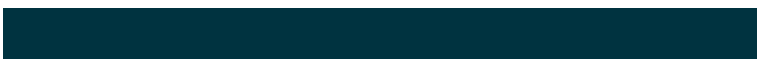
31.3879, 28.0611, 98.3692



18.2338, 19.8392, 23.1183



20.9334, 26.7764, 53.4996



2.1120, 2.7547, 5.2337

Previews

White Background



This preview shows how the XYZ color 49.6768, 35.3811, 13.2278 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 49.6768, 35.3811, 13.2278 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 49.6768, 35.3811, 13.2278

Background



This preview shows how black text looks on a background with the XYZ color 49.6768, 35.3811, 13.2278.



This preview shows how white text looks on a background with the XYZ color 49.6768, 35.3811,

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

49.6768, 35.3811, 13.2278

Protanopia

32.8223, 35.5630, 17.7048

Deuteranopia

36.1279, 35.3674, 12.5119



Tritanopia

51.2394, 35.4378, 23.2084

Trichromacy



Original Color

49.6768, 35.3811, 13.2278

Protanomaly

37.3384, 34.2582, 15.9538

Deuteranomaly

40.2996, 34.7344, 12.7640

Tritanomaly

50.5877, 35.3646, 19.1987

Monochromacy



Original Color

49.6768, 35.3811, 13.2278

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

36.1304, 32.9499, 26.2855

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6768, 35.3811, 13.2278 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, 120, 87)` looks like.

```
.text, #text, p{  
    color:rgb(255, 120, 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, 120, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 120, 87) }
```

Border

The CSS property to change the border of an element to XYZ 49.6768, 35.3811, 13.2278 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, 120, 87) }
```


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

```
.border{ border-color:rgb(255, 120, 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, 120, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 120, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 120, 87);  
box-shadow:4px 4px 4px 4px rgb(255, 120,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6768, 35.3811, 13.2278 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 120, 87) }
```

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

```
.background{ background-color: rgb(255,  
120, 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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