

Converting Colors

XYZ(99.9212, 63.1827, 16.5513)

Have a look what the booklet for
XYZ(99.9212, 63.1827, 16.5513)
contains.

XYZ(51.0681, 37.9634, 14.3090)	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(51.0681, 37.9634,
14.3090)**

Conversions

Conversions Part 1

Format	Color
Hex	FF825A
RGB	255, 130, 90
RGB Percent	100%, 51%, 35%
CMY	0.0000, 0.4902, 0.6471
CMYK	0.00, 0.49, 0.65, 0.00
HSL	15°, 100%, 68%
HSV	15°, 65%, 100%
XYZ	51.0681, 37.9634, 14.3090
YIQ	162.8150, 87.3400, 14.0600

Conversions

Conversions Part 2

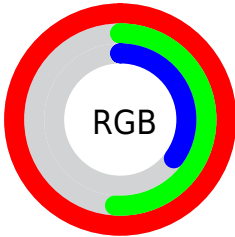
Format	Color
R_{YB}	255, 143, 90
Decimal	16745050
CIE _{Lab}	67.99, 44.44, 43.13
CIE _{LCh}	68, 61.931, 44.146
Yxy	37.9634, 0.4942, 0.3674
Android (android.graphics.Color)	4294935130 (0xFFFF825A)
YUV	162.8150, -35.8978, 80.8462
Hunter-Lab	61.6144, 40.1214, 29.3609

Details

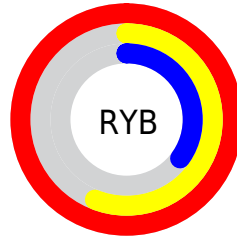
The XYZ color **51.0681, 37.9634, 14.3090** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **46.5653, 57.9912, 103.3464**, and the grayscale version is **34.8617, 36.6772, 39.9415**.

A 20% lighter version of the original color is **63.3967, 57.8810, 33.0301**, and **25.0641, 16.8124, 4.1146** is the 20% darker color. If you saturate the color by 10%, you get **47.8303, 32.9373, 8.7623**, and if you desaturate by 10%, it is **55.1622, 44.1071, 21.9776**.

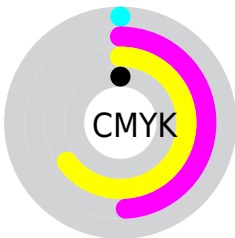
Distribution



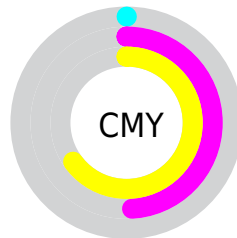
- Red (100%)
- Green (51%)
- Blue (35%)



- Red (100%)
- Yellow (56%)
- Blue (35%)



- Cyan (0%)
- Magenta (49%)
- Yellow (65%)
- Black (0%)





- Cyan (0%)
- Magenta (49%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.0681, 37.9634, 14.3090 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 51.0681, 37.9634, 14.3090 by changing the saturation by 10% instead.


 51.0681, 37.9634,
14.3090


 51.0681, 37.9634,
14.3090


381.2116,
337.4629, 230.6396


 36.4841, 25.9543,
8.1947


 90.9378, 72.0520,
34.3613

 24.9801, 16.7894,
4.1302


 116.9542, 94.9003,
49.1364

 16.1909, 10.0845,
1.6971


 147.5121,
122.1305, 67.6354

 9.7510, 5.4550,
0.3587

 182.9769,
154.1269, 90.2770

 5.2952, 2.5166,
0.0000

223.7139,
191.2740, 117.4797

 2.4580, 0.8849,
0.0000

270.0884,

 0.8741, 0.0000,

233.9561, 149.6620

0.0000

322.4659,
282.5576, 187.2425

■ 0.0000, 0.0000,
0.0000

■ 51.0681, 37.9634,
14.3090

■ 51.0681, 37.9634,
14.3090

■ 47.8303, 32.9373,
8.7623

■ 55.1622, 44.1071,
21.9776

■ 45.3791, 28.9526,
5.1163

■ 60.1691, 51.4259,
31.9549

■ 43.6367, 25.9323,
3.1035

■ 66.1433, 59.9805,
44.4093

■ 42.9531, 24.6865,
2.5011

■ 73.1342, 69.8253,
59.4931

■ 81.1875, 81.0117,
77.3459

90.3462, 93.5881,
98.0976

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.



57.1817, 37.9634, 29.6826



51.0681, 37.9634, 14.3090



41.3818, 37.9634, 8.4299

Triad

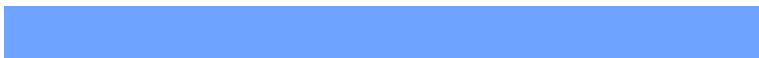
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



51.0681, 37.9634, 14.3090



21.0407, 37.9634, 28.4747



40.8003, 37.9634, 117.0313

Complementary

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



51.0681, 37.9634, 14.3090



46.5653, 57.9912, 103.3464

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.



31.2571, 37.9634, 116.2143



51.0681, 37.9634, 14.3090



20.9411, 37.9634, 55.6979

Square

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



51.0681, 37.9634, 14.3090



24.6617, 37.9634, 13.7649



24.3600, 37.9634, 90.3653



50.5776, 37.9634, 92.2616

Rectangle

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



51.0681, 37.9634, 14.3090



34.7608, 37.9634, 7.7957



24.3600, 37.9634, 90.3653



37.4384, 37.9634, 119.9966

Sweetspot

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



51.0690, 37.9654, 14.3097



77.5961, 76.0402, 69.3309



57.3555, 33.5563, 68.7592



16.1206, 15.5970, 13.7595



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.



51.0690, 37.9654, 14.3097



46.9395, 31.5129, 7.3628



66.3796, 68.5866, 19.4132



18.3670, 18.7021, 18.7862



22.5404, 13.0919, 1.3390



2.2755, 1.4363, 0.1573

Inverse Universe

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



46.5653, 57.9912, 103.3464



41.9445, 52.5798, 102.5459



30.7918, 26.4442, 98.0886



18.1598, 19.6912, 23.0936



19.5384, 23.9863, 53.0346



1.9873, 2.5053, 5.1921

Previews

White Background



This preview shows how the XYZ color 51.0681, 37.9634, 14.3090 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 51.0681, 37.9634, 14.3090 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 51.0681, 37.9634, 14.3090

Background



This preview shows how black text looks on a background with the XYZ color 51.0681, 37.9634, 14.3090.



This preview shows how white text looks on a background with the XYZ color 51.0681, 37.9634,

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

51.0681, 37.9634, 14.3090

Protanopia

35.1405, 38.0755, 18.3292

Deuteranopia

38.7289, 37.9312, 13.6677



Tritanopia

53.0039, 37.9029, 27.0766

Trichromacy



Original Color

51.0681, 37.9634, 14.3090

Protanomaly

39.6083, 37.0742, 16.6237

Deuteranomaly

42.7010, 37.5397, 13.7994

Tritanomaly

52.0994, 37.7467, 21.6795

Monochromacy



Original Color

51.0681, 37.9634, 14.3090

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

38.2755, 35.6466, 28.1557

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.0681, 37.9634, 14.3090 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, 130, 90)` looks like.

```
.text, #text, p{  
    color:rgb(255, 130, 90)  
}
```

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, 130, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 130, 90) }
```

Border

The CSS property to change the border of an element to XYZ 51.0681, 37.9634, 14.3090 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, 130, 90) }
```


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

```
.border{ border-color:rgb(255, 130, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 130, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 130, 90); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 130, 90); box-shadow:4px 4px 4px 4px rgb(255, 130, 90) }
```

Background

The CSS property to change the background color of an element to XYZ 51.0681, 37.9634, 14.3090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 130, 90) }
```

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

```
.background{ background-color: rgb(255,  
130, 90) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor