

# Converting Colors

XYZ(54.4272, 47.1724, 14.8331)

Have a look what the booklet for  
XYZ(54.4272, 47.1724, 14.8331)  
contains.

<b>XYZ(54.3437, 47.0058, 14.8031)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(54.3437, 47.0058,  
14.8031)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FBA255
RGB	251, 162, 85
RGB Percent	98%, 64%, 33%
CMY	0.0157, 0.3647, 0.6667
CMYK	0.00, 0.35, 0.66, 0.02
HSL	28°, 95%, 66%
HSV	28°, 66%, 98%
XYZ	54.3437, 47.0058, 14.8031
YIQ	179.8330, 77.7610, -5.0790

# Conversions

## Conversions Part 2

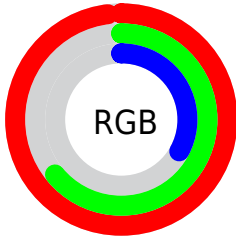
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	251, 229, 85
Decimal	16491093
CIE <sub>Lab</sub>	74.19, 26.23, 52.67
CIE <sub>LCh</sub>	74, 58.836, 63.527
Yxy	47.0058, 0.4679, 0.4047
Android (android.graphics.Color)	4294681173 (0xFFFBA255)
YUV	179.8330, -46.7527, 62.4135
Hunter-Lab	68.5608, 21.5041, 35.1911

# Details

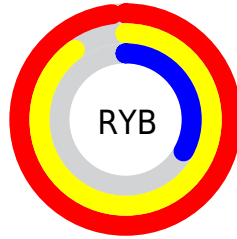
The XYZ color **54.3437, 47.0058, 14.8031** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **36.2939, 39.1663, 96.9132**, and the grayscale version is **43.5077, 45.7735, 49.8473**.

A 20% lighter version of the original color is **70.5682, 72.6919, 33.9785**, and **27.0999, 22.2145, 4.3729** is the 20% darker color. If you saturate the color by 10%, you get **51.2730, 42.1874, 9.7020**, and if you desaturate by 10%, it is **58.0238, 52.4778, 21.8520**.

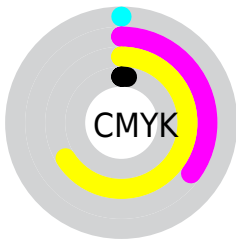
# Distribution



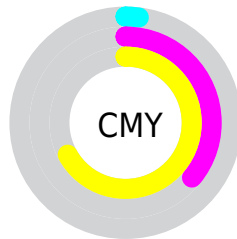
- Red (98%)
- Green (64%)
- Blue (33%)



- Red (98%)
- Yellow (90%)
- Blue (33%)



- Cyan (0%)
- Magenta (35%)
- Yellow (66%)
- Black (2%)




- Cyan (2%)
- Magenta (36%)
- Yellow (67%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.3437, 47.0058, 14.8031 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 54.3437, 47.0058, 14.8031 by changing the saturation by 10% instead.





 54.3437, 47.0058,  
14.8031


 54.3437, 47.0058,  
14.8031


393.5963,  
374.8377, 233.7709


 39.1083, 33.0402,  
8.5362


 95.7326, 85.7223,  
35.2448


 27.0251, 22.1573,  
4.3473


 122.6169,  
111.2420, 50.2567


 17.7287, 13.9725,  
1.8177


 154.1148,  
141.3819, 69.0207

 10.8539, 8.1015,  
0.4396

 190.5916,  
176.5263, 91.9553

 6.0353, 4.1600,  
0.0000

 232.4129,  
217.0597, 119.4791

 2.9074, 1.7635,  
0.0000

279.9438,

 1.1050, 0.4642,

263.3665, 152.0106

0.0000

333.5498,  
315.8310, 189.9684

■ 0.0293, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 54.3437, 47.0058,  
14.8031

■ 54.3437, 47.0058,  
14.8031

■ 51.2730, 42.1874,  
9.7020

■ 58.0238, 52.4778,  
21.8520

■ 48.7611, 37.9837,  
6.3363


■ 62.3511, 58.6247,  
31.0257


■ 46.7518, 34.3608,  
4.4468

■ 67.3639, 65.4754,  
42.4839

■ 46.0793, 33.1009,  
3.9605

■ 73.0957, 73.0546,  
56.3701

 79.5781, 81.3856,  
72.8158

 86.8401, 90.4905,  
91.9433

 93.5934, 99.2491,  
108.8318

# Harmonies

## Analogous

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



63.8103, 47.0058, 25.3329



54.3437, 47.0058, 14.8031



43.4413, 47.0058, 12.3382

# Triad

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



54.3437, 47.0058, 14.8031



27.3358, 47.0058, 54.8389



56.8439, 47.0058, 116.4895

# Complementary

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



54.3437, 47.0058, 14.8031



36.2939, 39.1663, 96.9132

# 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.



45.9371, 47.0058, 133.8171



54.3437, 47.0058, 14.8031



29.8116, 47.0058, 90.4402

# Square

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



54.3437, 47.0058, 14.8031



28.8688, 47.0058, 29.4069



36.2316, 47.0058, 122.7832



65.4060, 47.0058, 81.6912



# Rectangle

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



54.3437, 47.0058, 14.8031



37.0598, 47.0058, 14.2579



36.2316, 47.0058, 122.7832



53.2738, 47.0058, 125.0591

# Sweetspot

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



54.3448, 47.0082, 14.8040



79.7886, 80.9188, 68.5403



50.8983, 30.1529, 44.3679



16.6749, 16.8014, 13.6490



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.



54.3448, 47.0082, 14.8040



52.3293, 42.3900, 8.8589



73.3839, 85.0865, 21.1504



17.9083, 18.5524, 18.0995



24.3637, 17.6841, 2.1293



2.3614, 1.8476, 0.2322



# Inverse Universe

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



36.2939, 39.1663, 96.9132



32.3882, 33.6738, 99.4004



25.0999, 16.7782, 93.1819



17.0537, 18.1843, 21.9964



13.8223, 13.0002, 49.7543



1.3863, 1.4163, 4.6435



# Previews

## White Background



This preview shows how the XYZ color 54.3437, 47.0058, 14.8031 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 54.3437, 47.0058, 14.8031 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 54.3437, 47.0058, 14.8031**

## **Background**



This preview shows how black text looks on a background with the XYZ color 54.3437, 47.0058, 14.8031.



This preview shows how white text looks on a background with the XYZ color 54.3437, 47.0058,



# 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

54.3437, 47.0058, 14.8031

### Protanopia

43.2224, 47.1962, 16.9569

### Deuteranopia

48.0231, 47.0501, 14.5331



## Tritanopia

59.5871, 47.0878, 41.5456

# Trichromacy



## Original Color

54.3437, 47.0058, 14.8031

## Protanomaly

46.6483, 46.5969, 15.9867

## Deuteranomaly

50.1970, 47.0362, 14.6168

## Tritanomaly

57.3740, 46.9623, 29.3333

# Monochromacy



## Original Color

54.3437, 47.0058, 14.8031

## Achromatopsia

43.3819, 45.6411, 49.7032

## Achromatomaly

45.5080, 45.0533, 33.0857

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.3437, 47.0058, 14.8031 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(251, 162, 85)` looks like.

```
.text, #text, p{  
    color:rgb(251, 162, 85)  
}
```

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(251, 162, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 162, 85) }
```

## Border

The CSS property to change the border of an element to XYZ 54.3437, 47.0058, 14.8031 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(251, 162, 85) }
```



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

```
.border{ border-color:rgb(251, 162, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 162, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 162, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 162, 85);  
box-shadow:4px 4px 4px 4px rgb(251, 162,  
85) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.3437, 47.0058, 14.8031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 162, 85) }
```

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

```
.background{ background-color: rgb(251,  
162, 85) }
```

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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