

# Converting Colors

XYZ(53.9081, 47.1441, 25.2857)

Have a look what the booklet for  
XYZ(53.9081, 47.1441, 25.2857)  
contains.

<b>XYZ(53.8757, 47.0608, 25.3129)</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(53.8757, 47.0608,  
25.3129)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F3A47C
RGB	243, 164, 124
RGB Percent	95%, 64%, 49%
CMY	0.0471, 0.3568, 0.5137
CMYK	0.00, 0.33, 0.49, 0.05
HSL	20°, 83%, 72%
HSV	20°, 49%, 95%
XYZ	53.8757, 47.0608, 25.3129
YIQ	183.0610, 59.9240, 4.3080

# Conversions

## Conversions Part 2

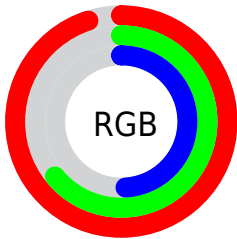
Format	Color
R <sub>Y</sub> B	243, 184, 124
Decimal	15967356
CIE Lab	74.23, 24.88, 32.59
CIE LCh	74, 41.002, 52.639
Yxy	47.0608, 0.4267, 0.3728
Android (android.graphics.Color)	4294157436 (0xFFFF3A47C)
YUV	183.0610, -29.1171, 52.5665
Hunter-Lab	68.6009, 20.1335, 26.1433

# Details

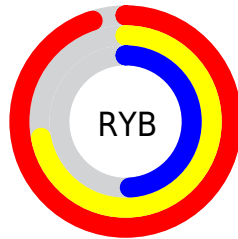
The XYZ color **53.8757, 47.0608, 25.3129** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **45.8448, 53.4658, 92.6975**, and the grayscale version is **45.1760, 47.5286, 51.7587**.

A 20% lighter version of the original color is **74.5073, 75.0974, 52.1633**, and **26.7974, 22.2731, 9.3653** is the 20% darker color. If you saturate the color by 10%, you get **49.8183, 41.1098, 17.2903**, and if you desaturate by 10%, it is **58.6802, 53.9003, 35.4533**.

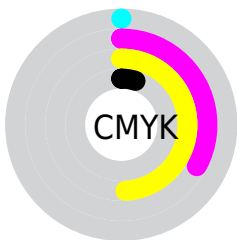
# Distribution



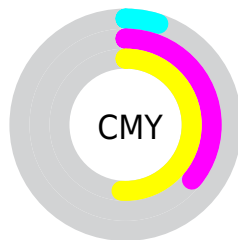
- Red (95%)
- Green (64%)
- Blue (49%)



- Red (95%)
- Yellow (72%)
- Blue (49%)



- Cyan (0%)
- Magenta (33%)
- Yellow (49%)
- Black (5%)




- Cyan (5%)
- Magenta (36%)
- Yellow (51%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.8757, 47.0608, 25.3129 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 53.8757, 47.0608, 25.3129 by changing the saturation by 10% instead.





 53.8757, 47.0608,  
25.3129


 53.8757, 47.0608,  
25.3129


391.8419,  
375.0572, 292.8900


 38.7326, 33.0837,  
16.0892

 95.0497, 85.8044,  
53.1348

 26.7315, 22.1906,  
9.4322


 121.8112,  
111.3397, 72.5700

 17.5072, 13.9970,  
4.9235

 153.1763,  
141.4965, 96.2462

 10.6943, 8.1186,  
2.1445

189.5103,  
176.6592, 124.5819

 5.9275, 4.1709,  
0.6421

231.1784,  
217.2122, 157.9956

 2.8413, 1.7696,  
0.0000

278.5462,

 1.0704, 0.4681,

263.5400, 196.9058

0.0000

331.9789,  
316.0268, 241.7311

■ 0.0001, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 53.8757, 47.0608,  
25.3129

■ 53.8757, 47.0608,  
25.3129

■ 49.8183, 41.1098,  
17.2903

■ 58.6802, 53.9003,  
35.4533

■ 46.4625, 36.0015,  
11.2291

■ 64.2668, 61.6573,  
47.8472

■ 43.7628, 31.6965,  
6.9552

■ 70.6721, 70.3680,  
62.6218

■ 41.6654, 28.1484,  
4.2621

■ 77.9294, 80.0645,  
79.8942

■ 40.0960, 25.3007,  
2.8421

■ 86.0700, 90.7775,  
99.7736

■ 39.9561, 25.0428,  
2.7278

■ 90.7721, 97.7946,  
108.6998

# Harmonies

## Analogous

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



59.0986, 47.0608, 37.1741



53.8757, 47.0608, 25.3129



46.5669, 47.0608, 20.6471

# Triad

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



53.8757, 47.0608, 25.3129



32.1152, 47.0608, 46.2238



50.3995, 47.0608, 98.4695

# Complementary

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



53.8757, 47.0608, 25.3129



45.8448, 53.4658, 92.6975

# 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.



42.9418, 47.0608, 102.8421



53.8757, 47.0608, 25.3129



32.9022, 47.0608, 68.4728

# Square

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



53.8757, 47.0608, 25.3129



34.4013, 47.0608, 30.3774



36.6825, 47.0608, 90.6621



56.9430, 47.0608, 79.9697



# Rectangle

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



53.8757, 47.0608, 25.3129



41.7052, 47.0608, 21.0026



36.6825, 47.0608, 90.6621



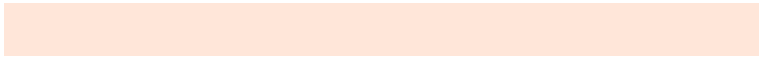
47.8974, 47.0608, 101.8145

# Sweetspot

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



53.8769, 47.0631, 25.3138



81.9200, 82.6329, 77.1074



54.9892, 37.7981, 61.1062



17.1773, 17.2082, 15.6598



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.



53.8769, 47.0631, 25.3138



55.5094, 45.7561, 19.1498



67.0325, 73.3744, 29.6990



16.9544, 17.3928, 17.2611



22.0405, 13.9666, 1.5342



2.0281, 1.4095, 0.1652

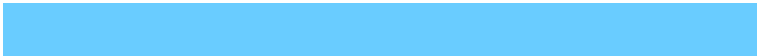


# Inverse Universe

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



45.8448, 53.4658, 92.6975



45.5162, 53.5826, 102.5513



34.4383, 30.6527, 88.8953



16.5001, 17.7645, 21.1018



16.0328, 17.8594, 49.1402



1.5037, 1.7588, 4.3505



# Previews

## White Background



This preview shows how the XYZ color 53.8757, 47.0608, 25.3129 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

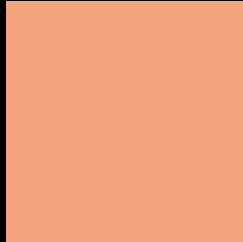
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 53.8757, 47.0608, 25.3129 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

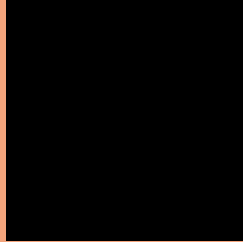
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 53.8757, 47.0608, 25.3129**

## **Background**



This preview shows how black text looks on a background with the XYZ color 53.8757, 47.0608, 25.3129.



This preview shows how white text looks on a background with the XYZ color 53.8757, 47.0608,

25.3129.

# 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

53.8757, 47.0608, 25.3129

### Protanopia

44.1243, 47.4032, 28.6539

### Deuteranopia

48.0562, 47.1252, 24.9756



## Tritanopia

57.8403, 47.1302, 44.0787

# Trichromacy



## Original Color

53.8757, 47.0608, 25.3129

## Protanomaly

47.2193, 46.9318, 27.3389

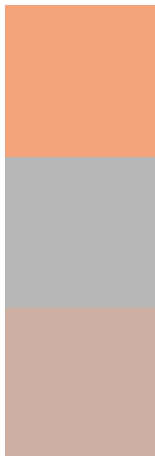
## Deuteranomaly

50.1330, 47.0499, 25.1781

## Tritanomaly

56.3266, 47.0343, 36.2468

# Monochromacy



## Original Color

53.8757, 47.0608, 25.3129

## Achromatopsia

45.0092, 47.3531, 51.5676

## Achromatomaly

47.2238, 46.6384, 40.6956

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.8757, 47.0608, 25.3129 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(243, 164, 124)` looks like.

```
.text, #text, p{  
    color:rgb(243, 164, 124)  
}
```

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(243, 164, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 164, 124) }
```

## Border

The CSS property to change the border of an element to XYZ 53.8757, 47.0608, 25.3129 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(243, 164, 124) }
```



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

```
.border{ border-color:rgb(243, 164, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 164, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 164, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 164, 124);  
box-shadow:4px 4px 4px 4px rgb(243, 164,  
124) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.8757, 47.0608, 25.3129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 164, 124) }
```

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

```
.background{ background-color: rgb(243,  
164, 124) }
```

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