

# Converting Colors

XYZ(55.1553, 44.1148, 21.9096)

Have a look what the booklet for  
XYZ(55.1553, 44.1148, 21.9096)  
contains.

<b>XYZ(55.0820, 43.9927, 21.8080)</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(55.0820, 43.9927,  
21.8080)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF9573
RGB	255, 149, 115
RGB Percent	100%, 58%, 45%
CMY	0.0000, 0.4157, 0.5490
CMYK	0.00, 0.42, 0.55, 0.00
HSL	15°, 100%, 73%
HSV	15°, 55%, 100%
XYZ	55.0820, 43.9927, 21.8080
YIQ	176.8180, 74.0900, 11.8980

# Conversions

## Conversions Part 2

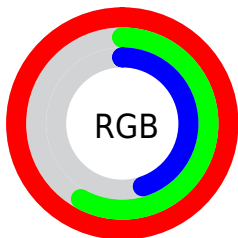
Format	Color
R <sub>Y</sub> B	255, 160, 115
Decimal	16749939
CIE Lab	72.22, 36.59, 35.09
CIE LCh	72, 50.698, 43.804
Yxy	43.9927, 0.4557, 0.3639
Android (android.graphics.Color)	4294940019 (0xFFFF9573)
YUV	176.8180, -30.4763, 68.5656
Hunter-Lab	66.3270, 32.1651, 26.9346

# Details

The XYZ color **55.0820, 43.9927, 21.8080** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **50.9752, 62.5746, 103.9989**, and the grayscale version is **41.8232, 44.0013, 47.9174**.

A 20% lighter version of the original color is **69.8079, 67.2358, 45.8577**, and **27.5062, 20.4121, 7.6444** is the 20% darker color. If you saturate the color by 10%, you get **51.0071, 37.8756, 14.1844**, and if you desaturate by 10%, it is **60.0711, 51.2893, 31.7390**.

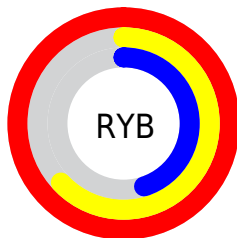
# Distribution



Red (100%)

Green (58%)

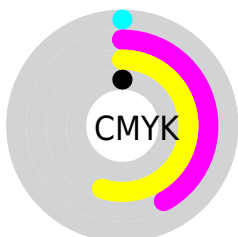
Blue (45%)



Red (100%)

Yellow (63%)

Blue (45%)

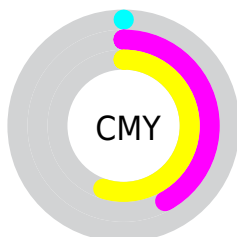


Cyan (0%)

Magenta (42%)

Yellow (55%)

Black (0%)



Cyan (0%)

Magenta (42%)


Yellow (55%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.0820, 43.9927, 21.8080 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 55.0820, 43.9927, 21.8080 by changing the saturation by 10% instead.




 55.0820, 43.9927,  
21.8080

 55.0820, 43.9927,  
21.8080


396.3540,  
362.6785, 274.4627


 39.7015, 30.6648,  
13.5189


 96.8087, 81.2068,  
47.3266

 27.4890, 20.3437,  
7.6519

 123.8856,  
105.8617, 65.3931

 18.0793, 12.6451,  
3.7885


 155.5920,  
135.0610, 87.5560

 11.1070, 7.1846,  
1.5100

192.2933,  
169.1893, 114.2336

 6.2067, 3.5778,  
0.2254

234.3548,  
208.6307, 145.8445

 3.0130, 1.4403,  
0.0000

282.1418,

 1.1606, 0.2462,

253.7698, 182.8073

0.0000

336.0198,  
304.9909, 225.5405

■ 0.0750, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 55.0820, 43.9927,  
21.8080

■ 55.0820, 43.9927,  
21.8080

■ 51.0071, 37.8756,  
14.1844

■ 60.0711, 51.2893,  
31.7390

■ 47.7840, 32.8675,  
8.6763

■ 66.0249, 59.8171,  
44.1431

■ 45.3466, 28.9006,  
5.0648

■ 72.9939, 69.6331,  
59.1734

■ 43.6159, 25.8958,  
3.0804

■ 81.0237, 80.7883,  
76.9699

■ 42.9592, 24.6986,  
2.5031

■ 90.1575, 93.3313,  
97.6627

95.0499, 99.9999,  
108.9000

# Harmonies

## Analogous

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



60.2478, 43.9927, 37.3573



55.0820, 43.9927, 21.8080



46.6540, 43.9927, 15.0568

# Triad

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



55.0820, 43.9927, 21.8080



27.7221, 43.9927, 35.7449



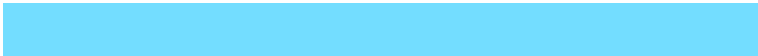
45.9323, 43.9927, 111.0916

# Complementary

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



55.0820, 43.9927, 21.8080



50.9752, 62.5746, 103.9989

# 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.



37.3204, 43.9927, 110.1875



55.0820, 43.9927, 21.8080



27.5850, 43.9927, 60.2615

# Square

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



55.0820, 43.9927, 21.8080



31.2731, 43.9927, 20.9820



30.8681, 43.9927, 89.2904



54.4909, 43.9927, 91.4488



# Rectangle

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



55.0820, 43.9927, 21.8080



40.7140, 43.9927, 14.2420



30.8681, 43.9927, 89.2904



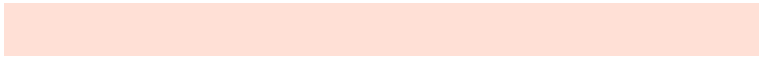
42.9331, 43.9927, 113.3456

# Sweetspot

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



55.0831, 43.9950, 21.8088



80.0885, 79.4959, 74.8755



60.6003, 38.8136, 73.6396



16.7747, 16.5066, 15.2064



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.



55.0831, 43.9950, 21.8088



50.6126, 37.2723, 13.4794



69.3196, 72.4679, 26.5543



18.3676, 18.7034, 18.7864



22.5436, 13.0985, 1.3401



2.2759, 1.4371, 0.1574



# Inverse Universe

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



50.9752, 62.5746, 103.9989



46.0294, 57.3856, 103.2583



36.4030, 33.4301, 99.1415



18.1591, 19.6898, 23.0934



19.5256, 23.9609, 53.0304



1.9861, 2.5030, 5.1917



# Previews

## White Background



This preview shows how the XYZ color 55.0820, 43.9927, 21.8080 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

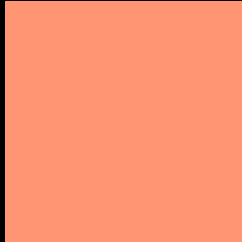
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 55.0820, 43.9927, 21.8080 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 55.0820, 43.9927, 21.8080**

## **Background**



This preview shows how black text looks on a background with the XYZ color 55.0820, 43.9927, 21.8080.



This preview shows how white text looks on a background with the XYZ color 55.0820, 43.9927,

21.8080.

# 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

55.0820, 43.9927, 21.8080

### Protanopia

41.0388, 44.0530, 26.4188

### Deuteranopia

44.9755, 44.1933, 21.1986



## Tritanopia

57.2818, 43.8774, 36.4604

# Trichromacy



## Original Color

55.0820, 43.9927, 21.8080



## Protanomaly

45.1254, 43.3636, 24.7305



## Deuteranomaly

48.1581, 43.6685, 21.2199



## Tritanomaly

56.2525, 43.7112, 30.2832

# Monochromacy



## Original Color

55.0820, 43.9927, 21.8080



## Achromatopsia

41.7894, 43.9657, 47.8787



## Achromatomaly

44.8283, 42.9497, 36.4993

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.0820, 43.9927, 21.8080 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, 149, 115)` looks like.

```
.text, #text, p{  
    color:rgb(255, 149, 115)  
}
```

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, 149, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 149, 115) }
```

## Border

The CSS property to change the border of an element to XYZ 55.0820, 43.9927, 21.8080 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, 149, 115) }
```



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

```
.border{ border-color:rgb(255, 149, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 149, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 149, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 149, 115);  
box-shadow:4px 4px 4px 4px rgb(255, 149,  
115) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.0820, 43.9927, 21.8080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 149, 115) }
```

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

```
.background{ background-color: rgb(255,  
149, 115) }
```

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