

# Converting Colors

XYZ(63.2523, 47.8310, 21.1280)

Have a look what the booklet for  
XYZ(63.2523, 47.8310, 21.1280)  
contains.

<b>XYZ(54.5983, 43.2973, 20.8088)</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(54.5983, 43.2973,  
20.8088)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FF9370
RGB	255, 147, 112
RGB Percent	100%, 58%, 44%
CMY	0.0000, 0.4235, 0.5608
CMYK	0.00, 0.42, 0.56, 0.00
HSL	15°, 100%, 72%
HSV	15°, 56%, 100%
XYZ	54.5983, 43.2973, 20.8088
YIQ	175.3020, 75.6030, 12.0110

# Conversions

## Conversions Part 2

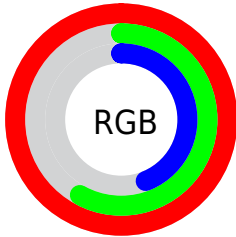
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 158, 112
Decimal	16749424
CIE Lab	71.76, 37.38, 36.10
CIE LCh	72, 51.967, 44.004
Yxy	43.2973, 0.4600, 0.3647
Android (android.graphics.Color)	4294939504 (0xFFFF9370)
YUV	175.3020, -31.2079, 69.8951
Hunter-Lab	65.8007, 32.9597, 27.3106

# Details

The XYZ color **54.5983, 43.2973, 20.8088** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **50.3236, 61.8476, 103.8926**, and the grayscale version is **41.0344, 43.1714, 47.0137**.

A 20% lighter version of the original color is **69.0614, 66.1814, 44.2563**, and **27.2375, 20.0126, 7.1299** is the 20% darker color. If you saturate the color by 10%, you get **50.6263, 37.3131, 13.4443**, and if you desaturate by 10%, it is **59.4756, 50.4493, 30.4589**.

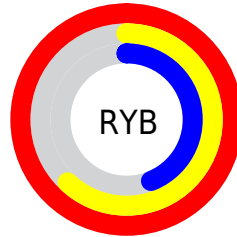
# Distribution



Red (100%)

Green (58%)

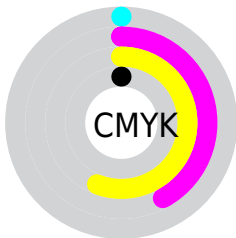
Blue (44%)



Red (100%)

Yellow (62%)

Blue (44%)

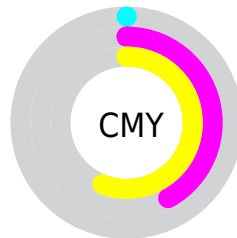


Cyan (0%)

Magenta (42%)

Yellow (56%)

Black (0%)



Cyan (0%)

Magenta (42%)


Yellow (56%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.5983, 43.2973, 20.8088 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 54.5983, 43.2973, 20.8088 by changing the saturation by 10% instead.





 54.5983, 43.2973,  
20.8088


 54.5983, 43.2973,  
20.8088


394.5486,  
359.8330, 269.0082

 39.3128, 30.1185,  
12.7944


 96.1039, 80.1593,  
45.6458


 27.1849, 19.9285,  
7.1581


 123.0547,  
104.6112, 63.3054

 17.8495, 12.3431,  
3.4812


 154.6246,  
133.5897, 85.0173

 10.9410, 6.9778,  
1.3453

 191.1790,  
167.4790, 111.1999

 6.0942, 3.4482,  
0.0985

233.0833,  
206.6636, 142.2717

 2.9436, 1.3700,  
0.0000

280.7027,

 1.1240, 0.1944,

251.5279, 178.6514

0.0000

334.4027,  
302.4562, 220.7573

■ 0.0451, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 54.5983, 43.2973,  
20.8088

■ 54.5983, 43.2973,  
20.8088

■ 50.6263, 37.3131,  
13.4443

■ 59.4756, 50.4493,  
30.4589

■ 47.4967, 32.4261,  
8.1706

■ 65.3092, 58.8212,  
42.5624

■ 45.1426, 28.5682,  
4.7644

■ 72.1497, 68.4699,  
57.2740

■ 43.4833, 25.6593,  
2.9481

■ 80.0432, 79.4465,  
74.7351

■ 42.9855, 24.7514,  
2.5119

■ 89.0329, 91.7995,  
95.0765

95.0497, 99.9999,  
108.9000

# Harmonies

## Analogous

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



59.9013, 43.2973, 36.3384



54.5983, 43.2973, 20.8088



46.0060, 43.2973, 14.1685

# Triad

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



54.5983, 43.2973, 20.8088



26.9066, 43.2973, 34.9843



45.3952, 43.2973, 111.7278

# Complementary

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



54.5983, 43.2973, 20.8088



50.3236, 61.8476, 103.8926

# 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.



36.6535, 43.2973, 110.9526



54.5983, 43.2973, 20.8088



26.7918, 43.2973, 59.9024

# Square

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



54.5983, 43.2973, 20.8088



30.4584, 43.2973, 20.1242



30.1185, 43.2973, 89.5822



54.0964, 43.2973, 91.4267



# Rectangle

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



54.5983, 43.2973, 20.8088



39.9798, 43.2973, 13.3924



30.1185, 43.2973, 89.5822



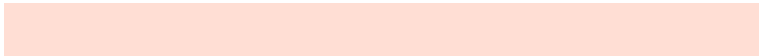
42.3485, 43.2973, 114.1000

# Sweetspot

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



54.5993, 43.2995, 20.8096



79.2705, 78.3777, 73.0065



60.1698, 38.1028, 73.0330



16.6135, 16.2862, 14.8383



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.



54.5993, 43.2995, 20.8096



50.3037, 36.8176, 12.8736



68.9429, 71.9867, 25.5908



18.3705, 18.7091, 18.7873



22.5581, 13.1273, 1.3449



2.2776, 1.4406, 0.1580



# Inverse Universe

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



50.3236, 61.8476, 103.8926



45.5580, 56.7887, 103.1679



35.6599, 32.5203, 99.0047



18.1561, 19.6837, 23.0924



19.4703, 23.8501, 53.0119



1.9812, 2.4930, 5.1901



# Previews

## White Background



This preview shows how the XYZ color 54.5983, 43.2973, 20.8088 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 54.5983, 43.2973, 20.8088 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 54.5983, 43.2973, 20.8088**

## **Background**



This preview shows how black text looks on a background with the XYZ color 54.5983, 43.2973, 20.8088.



This preview shows how white text looks on a background with the XYZ color 54.5983, 43.2973,



# 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

54.5983, 43.2973, 20.8088

### Protanopia

40.3986, 43.4531, 25.3268

### Deuteranopia

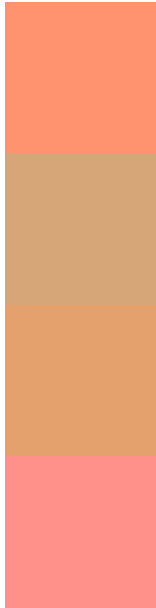
44.1500, 43.2341, 20.2054



## Tritanopia

56.8122, 43.2048, 35.4820

# Trichromacy



## Original Color

54.5983, 43.2973, 20.8088

## Protanomaly

44.5769, 42.5625, 23.6352

## Deuteranomaly

47.3260, 42.7397, 20.2232

## Tritanomaly

55.8007, 43.0415, 29.4116

# Monochromacy



## Original Color

54.5983, 43.2973, 20.8088

## Achromatopsia

40.7470, 42.8690, 46.6844

## Achromatomaly

44.0245, 42.0146, 35.4951

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.5983, 43.2973, 20.8088 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, 147, 112)` looks like.

```
.text, #text, p{  
  color:rgb(255, 147, 112)  
}
```

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, 147, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 147, 112) }
```

## Border

The CSS property to change the border of an element to XYZ 54.5983, 43.2973, 20.8088 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, 147, 112) }
```



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

```
.border{ border-color:rgb(255, 147, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 147, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 147, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 147, 112);  
box-shadow:4px 4px 4px 4px rgb(255, 147,  
112) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.5983, 43.2973, 20.8088 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 147, 112) }
```

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

```
.background{ background-color: rgb(255,  
147, 112) }
```

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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