

# Converting Colors

XYZ(52.4213, 39.7385, 20.6460)

Have a look what the booklet for  
XYZ(52.4213, 39.7385, 20.6460)  
contains.

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# Color

**XYZ(52.2928, 39.6832,  
20.5263)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FD8871
RGB	253, 136, 113
RGB Percent	99%, 53%, 44%
CMY	0.0078, 0.4666, 0.5569
CMYK	0.00, 0.46, 0.55, 0.01
HSL	10°, 97%, 72%
HSV	10°, 55%, 99%
XYZ	52.2928, 39.6832, 20.5263
YIQ	168.3610, 77.1150, 17.6510

# Conversions

## Conversions Part 2

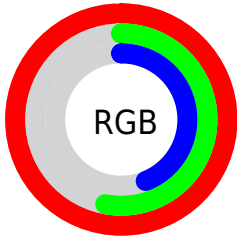
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	253, 141, 113
Decimal	16615537
CIE Lab	69.24, 42.28, 32.29
CIE LCh	69, 53.200, 37.374
Yxy	39.6832, 0.4648, 0.3527
Android (android.graphics.Color)	4294805617 (0xFFFD8871)
YUV	168.3610, -27.2930, 74.2284
Hunter-Lab	62.9946, 37.9351, 24.7770

# Details

The XYZ color **52.2928, 39.6832, 20.5263** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **52.8347, 67.1925, 103.1129**, and the grayscale version is **37.5015, 39.4545, 42.9659**.

A 20% lighter version of the original color is **66.6623, 61.2382, 43.9040**, and **25.7856, 17.7746, 7.0728** is the 20% darker color. If you saturate the color by 10%, you get **48.3723, 33.8129, 13.1448**, and if you desaturate by 10%, it is **57.1995, 46.8910, 30.1954**.

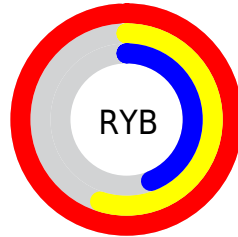
# Distribution



Red (99%)

Green (53%)

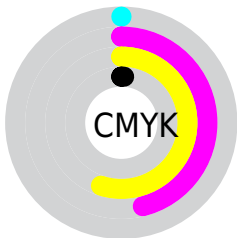
Blue (44%)



Red (99%)

Yellow (55%)

Blue (44%)

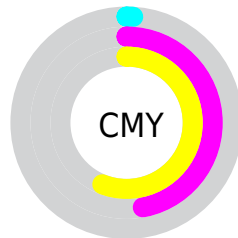


Cyan (0%)

Magenta (46%)

Yellow (55%)

Black (1%)



Cyan (1%)

Magenta (47%)


Yellow (56%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.2928, 39.6832, 20.5263 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 52.2928, 39.6832, 20.5263 by changing the saturation by 10% instead.





 52.2928, 39.6832,  
20.5263


 52.2928, 39.6832,  
20.5263


385.8714,  
344.7865, 267.4481

 37.4637, 27.2916,  
12.5903


 92.7346, 74.6809,  
45.1683


 25.7421, 17.7924,  
7.0197


 119.0780, 98.0557,  
62.7115

 16.7624, 10.8010,  
3.3958

 149.9903,  
125.8605, 84.2941

 10.1595, 5.9332,  
1.3001

 185.8367,  
158.4796, 110.3347

 5.5679, 2.8045,  
0.0619

226.9827,  
196.2973, 141.2519

 2.6223, 1.0305,  
0.0000

273.7935,

 0.9573, 0.0000,

239.6981, 177.4641

0.0000

326.6346,  
289.0664, 219.3900

■ 0.0000, 0.0000,  
0.0000

■ 52.2928, 39.6832,  
20.5263

■ 52.2928, 39.6832,  
20.5263

■ 48.3723, 33.8129,  
13.1448

■ 57.1995, 46.8910,  
30.1954

■ 45.3665, 29.1910,  
7.8587

■ 63.1513, 55.5057,  
42.3187

■ 43.1984, 25.7269,  
4.4476

■ 70.2060, 65.5995,  
57.0496

■ 41.7760, 23.3147,  
2.6398

■ 78.4160, 77.2377,  
74.5285

■ 41.3208, 22.5086,  
2.1667

■ 87.8306, 90.4815,  
94.8855

94.3178, 99.6226,  
108.8657

# Harmonies

## Analogous

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



56.4102, 39.6832, 37.4614



52.2928, 39.6832, 20.5263



44.3781, 39.6832, 12.7575

# Triad

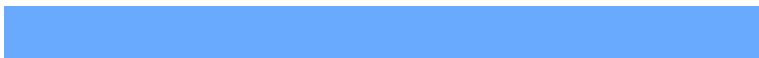
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



52.2928, 39.6832, 20.5263



24.5263, 39.6832, 27.5545



39.8598, 39.6832, 108.4437

# Complementary

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



52.2928, 39.6832, 20.5263



52.8347, 67.1925, 103.1129

# 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.



31.7594, 39.6832, 102.5996



52.2928, 39.6832, 20.5263



23.6913, 39.6832, 49.5147

# Square

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



52.2928, 39.6832, 20.5263



28.6211, 39.6832, 15.6185



26.1387, 39.6832, 78.4065



48.5624, 39.6832, 92.2497



# Rectangle

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



52.2928, 39.6832, 20.5263



38.4732, 39.6832, 11.2425



26.1387, 39.6832, 78.4065



36.9721, 39.6832, 109.0707

# Sweetspot

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



52.2938, 39.6853, 20.5270



78.3521, 76.5409, 72.7004



60.9786, 38.5193, 80.5648



16.3990, 15.8572, 14.7668



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.



52.2938, 39.6853, 20.5270



49.0057, 34.0586, 12.9438



65.0814, 65.2606, 24.7896



18.2505, 18.4691, 18.7473



22.0500, 12.1113, 1.1756

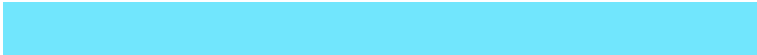


2.2119, 1.3091, 0.1361



# Inverse Universe

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



52.8347, 67.1925, 103.1129



49.5155, 64.3578, 104.4203



37.4602, 36.4435, 97.9880



18.2858, 19.9432, 23.1356



21.9714, 28.8524, 53.8456



2.2039, 2.9386, 5.2643



# Previews

## White Background



This preview shows how the XYZ color 52.2928, 39.6832, 20.5263 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

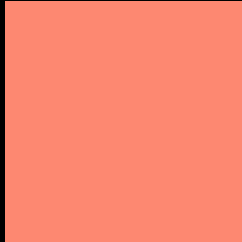
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.2928, 39.6832, 20.5263 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

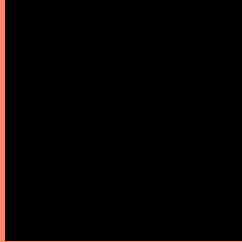
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 52.2928, 39.6832, 20.5263**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.2928, 39.6832, 20.5263.



This preview shows how white text looks on a background with the XYZ color 52.2928, 39.6832,



# 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

52.2928, 39.6832, 20.5263

### Protanopia

37.3101, 39.8533, 25.8047

### Deuteranopia

40.5289, 39.7607, 19.7258



## Tritanopia

54.2990, 39.6856, 29.9975

# Trichromacy



**Original Color**

52.2928, 39.6832, 20.5263

**Protanomaly**

41.5822, 38.9290, 23.7348

**Deuteranomaly**

44.3299, 39.4378, 20.0277

**Tritanomaly**

53.3573, 39.4846, 26.2818

# Monochromacy



**Original Color**

52.2928, 39.6832, 20.5263

**Achromatopsia**

37.2190, 39.1572, 42.6422

**Achromatomaly**

40.7870, 38.0572, 33.2130

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.2928, 39.6832, 20.5263 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(253, 136, 113)` looks like.

```
.text, #text, p{  
    color:rgb(253, 136, 113)  
}
```

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(253, 136, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 136, 113) }
```

## Border

The CSS property to change the border of an element to XYZ 52.2928, 39.6832, 20.5263 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(253, 136, 113) }
```



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

```
.border{ border-color:rgb(253, 136, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 136, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 136, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 136, 113);  
box-shadow:4px 4px 4px 4px rgb(253, 136,  
113) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.2928, 39.6832, 20.5263 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 136, 113) }
```

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

```
.background{ background-color: rgb(253,  
136, 113) }
```

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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