

Converting Colors

XYZ(72.3584, 49.7925, 21.4057)

Have a look what the booklet for
XYZ(72.3584, 49.7925, 21.4057)
contains.

XYZ(52.8846, 39.7802, 20.5138)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(52.8846, 39.7802,
20.5138)**

Conversions

Conversions Part 1

Format	Color
Hex	FF8771
RGB	255, 135, 113
RGB Percent	100%, 53%, 44%
CMY	0.0000, 0.4706, 0.5569
CMYK	0.00, 0.47, 0.56, 0.00
HSL	9°, 100%, 72%
HSV	9°, 56%, 100%
XYZ	52.8846, 39.7802, 20.5138
YIQ	168.3720, 78.5820, 18.5980

Conversions

Conversions Part 2

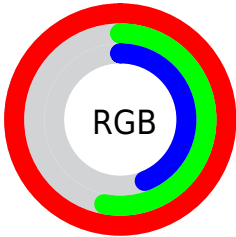
Format	Color
R _Y B	255, 139, 113
Decimal	16746353
CIE Lab	69.31, 43.52, 32.44
CIE LCh	69, 54.276, 36.699
Yxy	39.7802, 0.4673, 0.3515
Android (android.graphics.Color)	4294936433 (0xFFFF8771)
YUV	168.3720, -27.2984, 75.9728
Hunter-Lab	63.0715, 39.2945, 24.8662

Details

The XYZ color **52.8846, 39.7802, 20.5138** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **53.9970, 69.0046, 105.0806**, and the grayscale version is **37.5065, 39.4597, 42.9716**.

A 20% lighter version of the original color is **66.4450, 60.8035, 43.8315**, and **26.2196, 17.8856, 7.0714** is the 20% darker color. If you saturate the color by 10%, you get **48.9372, 33.8693, 13.0827**, and if you desaturate by 10%, it is **57.8456, 47.0733, 30.2727**.

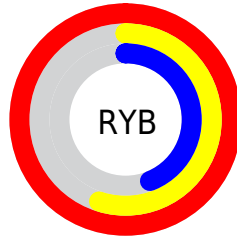
Distribution



Red (100%)

Green (53%)

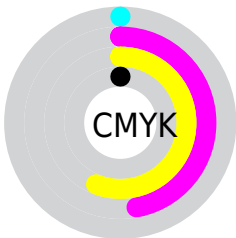
Blue (44%)



Red (100%)

Yellow (55%)

Blue (44%)

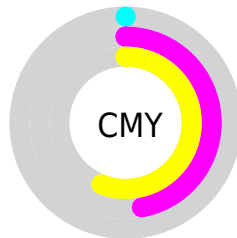


Cyan (0%)

Magenta (47%)

Yellow (56%)

Black (0%)



Cyan (0%)


Magenta (47%)


Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 52.8846, 39.7802, 20.5138 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 52.8846, 39.7802, 20.5138 by changing the saturation by 10% instead.


 52.8846, 39.7802,
20.5138


 52.8846, 39.7802,
20.5138


388.1103,
345.1963, 267.3788


 37.9378, 27.3672,
12.5813


 93.6011, 74.8287,
45.1472


 26.1114, 17.8492,
7.0136


 120.1014, 98.2330,
62.6851

 17.0401, 10.8418,
3.3920

 151.1836,
126.0698, 84.2620

 10.3586, 5.9605,
1.2981

 187.2131,
158.7236, 110.2963

 5.7014, 2.8211,
0.0602

228.5551,
196.5788, 141.2066

 2.7033, 1.0391,
0.0000

275.5751,

 0.9989, 0.0000,

240.0197, 177.4115

0.0000

328.6384,
289.4307, 219.3293

■ 0.0000, 0.0000,
0.0000

■ 52.8846, 39.7802,
20.5138

■ 52.8846, 39.7802,
20.5138

■ 48.9372, 33.8693,
13.0827

■ 57.8456, 47.0733,
30.2727

■ 45.9288, 29.2467,
7.7821

■ 63.8818, 55.8224,
42.5303

■ 43.7789, 25.8163,
4.3851

■ 71.0533, 66.1033,
57.4441

■ 42.3908, 23.4653,
2.6117

■ 79.4149, 77.9848,
75.1576

■ 41.9825, 22.7453,
2.1776

■ 89.0177, 91.5314,
95.8044

95.0498, 99.9999,
108.9000

Harmonies

Analogous

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



56.9942, 39.7802, 37.9577



52.8846, 39.7802, 20.5138



44.8265, 39.7802, 12.5149

Triad

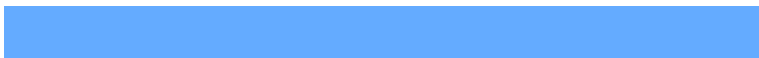
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



52.8846, 39.7802, 20.5138



24.4236, 39.7802, 26.9813



39.7968, 39.7802, 110.5182

Complementary

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



52.8846, 39.7802, 20.5138



53.9970, 69.0046, 105.0806

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.



31.5666, 39.7802, 103.9615



52.8846, 39.7802, 20.5138



23.5005, 39.7802, 49.1516

Square

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



52.8846, 39.7802, 20.5138



28.6612, 39.7802, 15.1222



25.9123, 39.7802, 78.7515



48.7237, 39.7802, 94.2532

Rectangle

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



52.8846, 39.7802, 20.5138



38.7821, 39.7802, 10.9141



25.9123, 39.7802, 78.7515



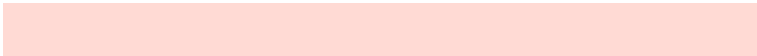
36.8541, 39.7802, 110.9816

Sweetspot

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



52.8856, 39.7823, 20.5145



78.2466, 76.3298, 72.6652



61.9532, 38.9937, 81.8772



16.3744, 15.8080, 14.7586



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.



52.8856, 39.7823, 20.5145



48.4900, 33.1903, 12.2690



66.1237, 66.2585, 24.9272



18.2366, 18.4414, 18.7427



22.0040, 12.0192, 1.1602



2.2054, 1.2961, 0.1339

Inverse Universe

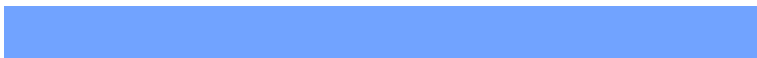
The Inverse Universe completely reimagines the original color for something new.



53.9970, 69.0046, 105.0806



49.6069, 64.8863, 104.5175



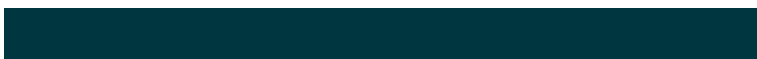
37.9042, 36.8189, 99.7163



18.3010, 19.9736, 23.1407



22.2833, 29.4763, 53.9496



2.2314, 2.9936, 5.2735

Previews

White Background



This preview shows how the XYZ color 52.8846, 39.7802, 20.5138 looks on a white background.

Color Contrast Check

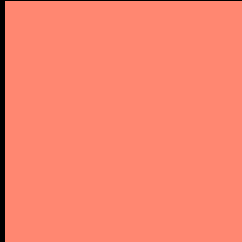
Large Text (above 18pt) WCAG AA × Fail

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 52.8846, 39.7802, 20.5138 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 52.8846, 39.7802, 20.5138

Background



This preview shows how black text looks on a background with the XYZ color 52.8846, 39.7802, 20.5138.



This preview shows how white text looks on a background with the XYZ color 52.8846, 39.7802,

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

52.8846, 39.7802, 20.5138

Protanopia

37.3101, 39.8533, 25.8047

Deuteranopia

40.8039, 39.9025, 19.7387



Tritanopia

54.2990, 39.6856, 29.9975

Trichromacy



Original Color

52.8846, 39.7802, 20.5138

Protanomaly

41.8643, 39.0744, 23.7480

Deuteranomaly

44.4741, 39.2702, 19.9877

Tritanomaly

53.7243, 39.6738, 26.2989

Monochromacy



Original Color

52.8846, 39.7802, 20.5138

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

41.0532, 38.1944, 33.2255

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.8846, 39.7802, 20.5138 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, 135, 113)` looks like.

```
.text, #text, p{  
    color:rgb(255, 135, 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(255, 135, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 135, 113) }
```

Border

The CSS property to change the border of an element to XYZ 52.8846, 39.7802, 20.5138 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, 135, 113) }
```


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

```
.border{ border-color:rgb(255, 135, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 135, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 135, 113); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 135, 113); box-shadow:4px 4px 4px 4px rgb(255, 135, 113) }
```

Background

The CSS property to change the background color of an element to XYZ 52.8846, 39.7802, 20.5138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 135, 113) }
```

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

```
.background{ background-color: rgb(255,  
135, 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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