

# Converting Colors

XYZ(92.1698, 64.6191, 20.9339)

Have a look what the booklet for  
XYZ(92.1698, 64.6191, 20.9339)  
contains.

<b>XYZ(55.5111, 45.7226, 19.2642)</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(55.5111, 45.7226,  
19.2642)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF9B69
RGB	255, 155, 105
RGB Percent	100%, 61%, 41%
CMY	0.0000, 0.3921, 0.5882
CMYK	0.00, 0.39, 0.59, 0.00
HSL	20°, 100%, 71%
HSV	20°, 59%, 100%
XYZ	55.5111, 45.7226, 19.2642
YIQ	179.2000, 75.6500, 5.6500

# Conversions

## Conversions Part 2

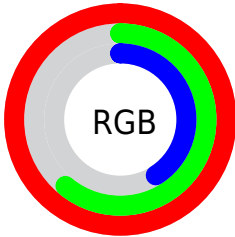
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 180, 105
Decimal	16751465
CIE <sub>Lab</sub>	73.37, 32.75, 41.80
CIE <sub>LCh</sub>	73, 53.101, 51.923
Yxy	45.7226, 0.4607, 0.3794
Android (android.graphics.Color)	4294941545 (0xFFFF9B69)
YUV	179.2000, -36.5806, 66.4766
Hunter-Lab	67.6185, 28.2064, 30.4415

# Details

The XYZ color **55.5111, 45.7226, 19.2642** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **45.7056, 53.8829, 102.5986**, and the grayscale version is **43.1163, 45.3617, 49.3989**.

A 20% lighter version of the original color is **70.3724, 69.7875, 41.6596**, and **27.8122, 21.4554, 6.4168** is the 20% darker color. If you saturate the color by 10%, you get **51.7590, 40.0111, 12.4882**, and if you desaturate by 10%, it is **60.0565, 52.3925, 28.2435**.

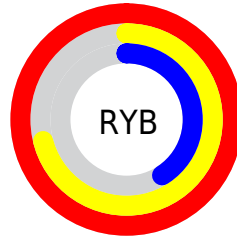
# Distribution



Red (100%)

Green (61%)

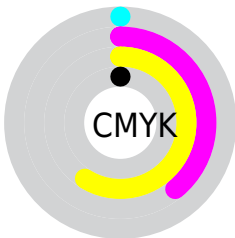
Blue (41%)



Red (100%)

Yellow (71%)

Blue (41%)

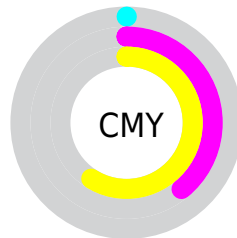


Cyan (0%)

Magenta (39%)

Yellow (59%)

Black (0%)



Cyan (0%)

Magenta (39%)


Yellow (59%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.5111, 45.7226, 19.2642 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 55.5111, 45.7226, 19.2642 by changing the saturation by 10% instead.





 55.5111, 45.7226,  
19.2642


 55.5111, 45.7226,  
19.2642


397.9514,  
369.6923, 260.3746

 40.0465, 32.0270,  
11.6826


 97.4334, 83.8037,  
43.0227


 27.7592, 21.3821,  
6.4080


 124.6218,  
108.9579, 60.0367

 18.2837, 13.4036,  
3.0220


 156.4488,  
138.7005, 81.0318

 11.2548, 7.7070,  
1.1059

 193.2799,  
173.4159, 106.4267

 6.3071, 3.9081,  
0.0000

235.4803,  
213.4883, 136.6399

 3.0751, 1.6223,  
0.0000

283.4155,

 1.1936, 0.3725,

259.3022, 172.0899

0.0000

337.4507,  
311.2421, 213.1953

■ 0.1013, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 55.5111, 45.7226,  
19.2642

■ 55.5111, 45.7226,  
19.2642

■ 51.7590, 40.0111,  
12.4882

■ 60.0565, 52.3925,  
28.2435

■ 48.7442, 35.2033,  
7.7161

■ 65.4393, 60.0576,  
39.5964

■ 46.4068, 31.2489,  
4.7161

■ 71.7040, 68.7612,  
53.4794

■ 44.6653, 28.0848,  
3.1530

■ 78.8908, 78.5418,  
70.0345

■ 44.4891, 27.7585,  
3.0131

■ 87.0371, 89.4357,  
89.3933

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.



62.3541, 45.7226, 32.9331



55.5111, 45.7226, 19.2642



46.0324, 45.7226, 14.2336

# Triad

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



55.5111, 45.7226, 19.2642



27.9818, 45.7226, 42.8966



50.5195, 45.7226, 114.4278

# Complementary

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



55.5111, 45.7226, 19.2642



45.7056, 53.8829, 102.5986

# 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.



40.9813, 45.7226, 120.1128



55.5111, 45.7226, 19.2642



28.8263, 45.7226, 71.5808

# Square

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



55.5111, 45.7226, 19.2642



30.7899, 45.7226, 24.3091



33.2895, 45.7226, 102.2886



59.1965, 45.7226, 88.7532



# Rectangle

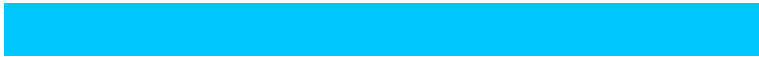
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



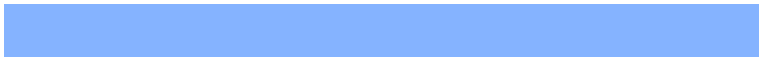
55.5111, 45.7226, 19.2642



39.8496, 45.7226, 14.4956



33.2895, 45.7226, 102.2886



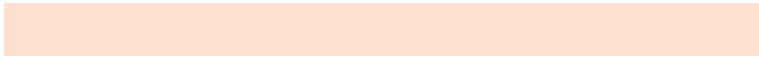
47.2778, 45.7226, 119.0370

# Sweetspot

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



55.5122, 45.7249, 19.2650



79.5248, 79.3960, 71.5201



57.3109, 35.7711, 61.6416



16.5482, 16.3549, 14.2021



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.



55.5122, 45.7249, 19.2650



51.0420, 38.8891, 11.2859



72.0864, 78.8733, 24.7898



18.5041, 18.9764, 18.8319



23.3686, 14.7484, 1.6151



2.3710, 1.6273, 0.1891



# Inverse Universe

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



45.7056, 53.8829, 102.5986



40.3052, 47.5440, 101.6603



31.8586, 26.1889, 97.9830



18.0148, 19.4012, 23.0453



17.0846, 19.0787, 52.2167



1.7640, 2.0587, 5.1177



# Previews

## White Background



This preview shows how the XYZ color 55.5111, 45.7226, 19.2642 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 55.5111, 45.7226, 19.2642 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

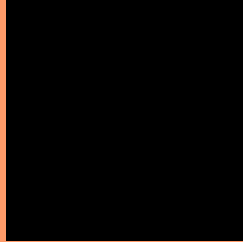
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 55.5111, 45.7226, 19.2642

## Background



This preview shows how black text looks on a background with the XYZ color 55.5111, 45.7226, 19.2642.



This preview shows how white text looks on a background with the XYZ color 55.5111, 45.7226,



# 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

55.5111, 45.7226, 19.2642

### Protanopia

42.6443, 46.1559, 22.8810

### Deuteranopia

46.6167, 45.6603, 18.6683



## Tritanopia

58.4915, 45.6108, 38.9786

# Trichromacy



## Original Color

55.5111, 45.7226, 19.2642

## Protanomaly

46.5352, 45.5582, 21.3799

## Deuteranomaly

49.6388, 45.5554, 18.7472

## Tritanomaly

57.2019, 45.6099, 30.5997

# Monochromacy



## Original Color

55.5111, 45.7226, 19.2642

## Achromatopsia

42.8472, 45.0786, 49.0906

## Achromatomaly

45.7743, 44.2818, 35.8404

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.5111, 45.7226, 19.2642 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, 155, 105)` looks like.

```
.text, #text, p{  
    color:rgb(255, 155, 105)  
}
```

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, 155, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 155, 105) }
```

## Border

The CSS property to change the border of an element to XYZ 55.5111, 45.7226, 19.2642 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, 155, 105) }
```



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

```
.border{ border-color:rgb(255, 155, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 155, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 155, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 155, 105);  
box-shadow:4px 4px 4px 4px rgb(255, 155,  
105) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.5111, 45.7226, 19.2642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 155, 105) }
```

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

```
.background{ background-color: rgb(255,  
155, 105) }
```

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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