

# Converting Colors

XYZ(51.1078, 42.4597, 21.3125)

Have a look what the booklet for  
XYZ(51.1078, 42.4597, 21.3125)  
contains.

<b>XYZ(51.0660, 42.4028, 21.4127)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(51.0660, 42.4028,  
21.4127)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F39772
RGB	243, 151, 114
RGB Percent	95%, 59%, 45%
CMY	0.0471, 0.4078, 0.5529
CMYK	0.00, 0.38, 0.53, 0.05
HSL	17°, 84%, 70%
HSV	17°, 53%, 95%
XYZ	51.0660, 42.4028, 21.4127
YIQ	174.2900, 66.7090, 7.9970

# Conversions

## Conversions Part 2

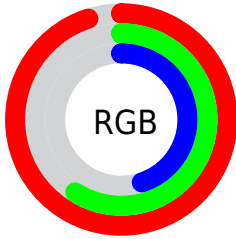
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	243, 166, 114
Decimal	15964018
CIE Lab	71.15, 30.84, 33.95
CIE LCh	71, 45.865, 47.749
Yxy	42.4028, 0.4445, 0.3691
Android (android.graphics.Color)	4294154098 (0xFF39772)
YUV	174.2900, -29.7230, 60.2587
Hunter-Lab	65.1174, 26.0267, 26.0857

# Details

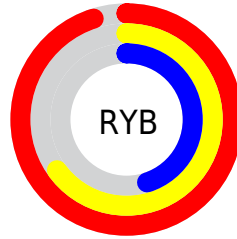
The XYZ color **51.0660, 42.4028, 21.4127** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **45.1871, 54.1884, 92.8714**, and the grayscale version is **40.5064, 42.6159, 46.4087**.

A 20% lighter version of the original color is **70.1942, 68.1558, 45.5321**, and **24.9444, 19.3726, 7.4256** is the 20% darker color. If you saturate the color by 10%, you get **47.2754, 36.7489, 14.2080**, and if you desaturate by 10%, it is **55.6360, 49.0278, 30.6903**.

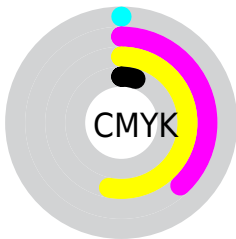
# Distribution



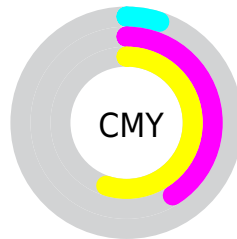
- Red (95%)
- Green (59%)
- Blue (45%)



- Red (95%)
- Yellow (65%)
- Blue (45%)



- Cyan (0%)
- Magenta (38%)
- Yellow (53%)
- Black (5%)




- Cyan (5%)
- Magenta (41%)
- Yellow (55%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.0660, 42.4028, 21.4127 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 51.0660, 42.4028, 21.4127 by changing the saturation by 10% instead.





 51.0660, 42.4028,  
21.4127


 51.0660, 42.4028,  
21.4127


381.2036,  
356.1500, 272.3164

 36.4824, 29.4168,  
13.2318


 90.9347, 78.8089,  
46.6630


 24.9788, 19.3964,  
7.4558


 116.9506,  
102.9978, 64.5696

 16.1899, 11.9570,  
3.6660

 147.5079,  
131.6898, 86.5552

 9.7503, 6.7144,  
1.4440

 182.9720,  
165.2693, 113.0382

 5.2947, 3.2842,  
0.1757

223.7082,  
204.1206, 144.4373

 2.4577, 1.2818,  
0.0000

270.0820,

 0.8740, 0.1271,

248.6283, 181.1710

0.0000

322.4587,  
299.1766, 223.6579

■ 0.0000, 0.0000,  
0.0000

■ 51.0660, 42.4028,  
21.4127

■ 51.0660, 42.4028,  
21.4127

■ 47.2754, 36.7489,  
14.2080

■ 55.6360, 49.0278,  
30.6903

■ 44.2134, 32.0122,  
8.9109

■ 61.0256, 56.6615,  
42.1838

■ 41.8277, 28.1428,  
5.3347

■ 67.2756, 65.3473,  
56.0259

■ 40.0556, 25.0824,  
3.2524

■ 74.4232, 75.1241,  
72.3383

■ 39.1339, 23.3985,  
2.4538

■ 82.5033, 86.0286,  
91.2343

90.7660, 97.7827,  
108.6978

90.7720, 97.7946,  
108.6998

# Harmonies

## Analogous

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



56.0610, 42.4028, 34.4431



51.0660, 42.4028, 21.4127



43.5171, 42.4028, 15.9521

# Triad

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



51.0660, 42.4028, 21.4127



27.5290, 42.4028, 37.7663



44.9724, 42.4028, 99.2770

# Complementary

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



51.0660, 42.4028, 21.4127



45.1871, 54.1884, 92.8714

# 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.



37.2504, 42.4028, 101.0357



51.0660, 42.4028, 21.4127



27.8142, 42.4028, 60.2944

# Square

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



51.0660, 42.4028, 21.4127



30.3331, 42.4028, 23.1770



31.1690, 42.4028, 85.0681



52.2473, 42.4028, 80.8311



# Rectangle

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



51.0660, 42.4028, 21.4127



38.3448, 42.4028, 15.6698



31.1690, 42.4028, 85.0681



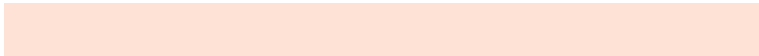
42.3259, 42.4028, 102.0111

# Sweetspot

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



51.0670, 42.4049, 21.4135



80.5735, 80.4659, 75.0371



54.1748, 35.5677, 62.6895



16.8892, 16.7357, 15.2446



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.



51.0670, 42.4049, 21.4135



52.3402, 40.3836, 15.1156



64.3125, 68.8959, 25.8286



16.8863, 17.2567, 17.2384



21.5776, 13.0408, 1.3799



1.9807, 1.3146, 0.1494



# Inverse Universe

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



45.1871, 54.1884, 92.8714



45.0443, 54.6862, 102.7892



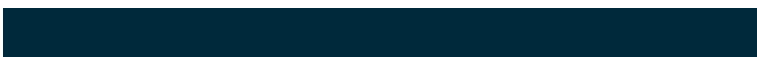
32.7829, 29.3800, 88.7367



16.5716, 17.9075, 21.1256



17.2322, 20.2582, 49.5400



1.6021, 1.9557, 4.3833



# Previews

## White Background



This preview shows how the XYZ color 51.0660, 42.4028, 21.4127 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

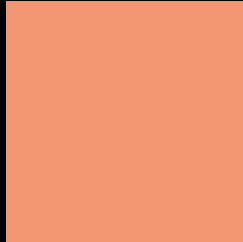
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.0660, 42.4028, 21.4127 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

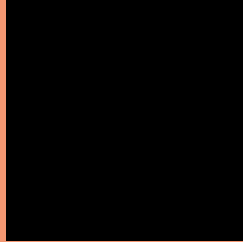
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 51.0660, 42.4028, 21.4127**

## **Background**



This preview shows how black text looks on a background with the XYZ color 51.0660, 42.4028, 21.4127.



This preview shows how white text looks on a background with the XYZ color 51.0660, 42.4028,



# 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

51.0660, 42.4028, 21.4127

### Protanopia

39.5132, 42.4187, 25.1738

### Deuteranopia

43.5519, 42.6340, 20.9727



## Tritanopia

54.1322, 42.2439, 36.7533

# Trichromacy



## Original Color

51.0660, 42.4028, 21.4127

## Protanomaly

43.0388, 42.0384, 23.6151

## Deuteranomaly

46.1009, 42.3476, 21.0733

## Tritanomaly

52.8976, 42.2030, 30.5573

# Monochromacy



## Original Color

51.0660, 42.4028, 21.4127

## Achromatopsia

40.2316, 42.3268, 46.0938

## Achromatomaly

42.8569, 41.6815, 35.4923

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.0660, 42.4028, 21.4127 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(243, 151, 114)` looks like.

```
.text, #text, p{  
    color:rgb(243, 151, 114)  
}
```

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(243, 151, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 151, 114) }
```

## Border

The CSS property to change the border of an element to XYZ 51.0660, 42.4028, 21.4127 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(243, 151, 114) }
```



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

```
.border{ border-color:rgb(243, 151, 114) }
```

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

Here you see how a box with a 4 pixel rgb(243, 151, 114) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 151, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 151, 114);  
box-shadow:4px 4px 4px 4px rgb(243, 151,  
114) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.0660, 42.4028, 21.4127 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 151, 114) }
```

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

```
.background{ background-color: rgb(243,  
151, 114) }
```

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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