

# Converting Colors

XYZ(51.8470, 39.7002, 26.5872)

Have a look what the booklet for  
XYZ(51.8470, 39.7002, 26.5872)  
contains.

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# Color

**XYZ(51.9647, 39.7994,  
26.7730)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F88A84
RGB	248, 138, 132
RGB Percent	97%, 54%, 52%
CMY	0.0275, 0.4588, 0.4823
CMYK	0.00, 0.44, 0.47, 0.03
HSL	3°, 89%, 75%
HSV	3°, 47%, 97%
XYZ	51.9647, 39.7994, 26.7730
YIQ	170.2060, 67.4860, 21.4540

# Conversions

## Conversions Part 2

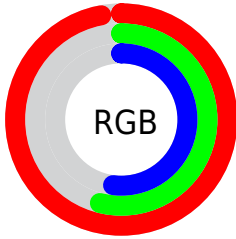
Format	Color
R <sub>Y</sub> B	248, 138, 132
Decimal	16288388
CIE Lab	69.33, 41.06, 21.82
CIE LCh	69, 46.496, 27.984
Yxy	39.7994, 0.4384, 0.3358
Android (android.graphics.Color)	4294478468 (0xFFFF88A84)
YUV	170.2060, -18.8356, 68.2253
Hunter-Lab	63.0868, 36.6290, 18.9990

# Details

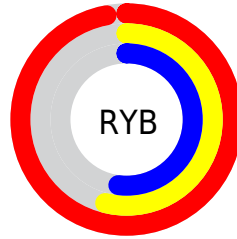
The XYZ color **51.9647, 39.7994, 26.7730** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **58.2092, 75.1831, 100.2504**, and the grayscale version is **38.3798, 40.3785, 43.9722**.

A 20% lighter version of the original color is **69.0669, 62.9027, 54.4002**, and **25.5489, 17.8129, 10.2753** is the 20% darker color. If you saturate the color by 10%, you get **47.4486, 33.1680, 17.8667**, and if you desaturate by 10%, it is **57.6166, 48.0569, 38.0485**.

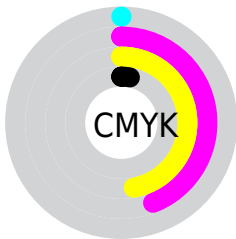
# Distribution



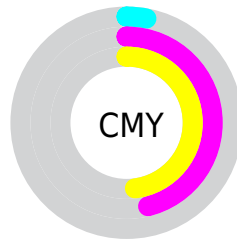
- Red (97%)
- Green (54%)
- Blue (52%)



- Red (97%)
- Yellow (54%)
- Blue (52%)



- Cyan (0%)
- Magenta (44%)
- Yellow (47%)
- Black (3%)



- Cyan (3%)
- Magenta (46%)
- Yellow (48%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.9647, 39.7994, 26.7730 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 51.9647, 39.7994, 26.7730 by changing the saturation by 10% instead.




 51.9647, 39.7994,  
26.7730


 51.9647, 39.7994,  
26.7730


384.6265,  
345.2773, 300.2817


 37.2011, 27.3822,  
17.1719


 92.2537, 74.8580,  
55.5187

 25.5376, 17.8605,  
10.1939

 118.5098, 98.2681,  
75.5003

 16.6089, 10.8498,  
5.4204


 149.3275,  
126.1113, 99.7793

 10.0496, 5.9660,  
2.4330

185.0721,  
158.7719, 128.7740

 5.4944, 2.8244,  
0.8043

226.1089,  
196.6345, 162.9030

 2.5779, 1.0408,  
0.0000

272.8033,

 0.9347, 0.0000,

240.0833, 202.5850

0.0000

325.5208,  
289.5028, 248.2383

■ 0.0000, 0.0000,  
0.0000

■ 51.9647, 39.7994,  
26.7730

■ 51.9647, 39.7994,  
26.7730

■ 47.4486, 33.1680,  
17.8667

■ 57.6166, 48.0569,  
38.0485

■ 43.9885, 28.0497,  
11.1586

■ 64.4707, 58.0316,  
51.8433

■ 41.4994, 24.3270,  
6.4583

■ 72.5920, 69.8149,  
68.2978

■ 39.8816, 21.8623,  
3.5421

■ 82.0400, 83.4903,  
87.5414

■ 39.0128, 20.4895,  
2.1284

■ 92.5212, 98.6964,  
108.7817

■ 38.8531, 20.2402,  
1.8590

# Harmonies

## Analogous

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



54.0540, 39.7994, 44.7965



51.9647, 39.7994, 26.7730



45.9555, 39.7994, 16.9981

# Triad

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



51.9647, 39.7994, 26.7730



26.9208, 39.7994, 24.9975



37.3256, 39.7994, 98.7336

# Complementary

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



51.9647, 39.7994, 26.7730



58.2092, 75.1831, 100.2504

# 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.



30.7204, 39.7994, 88.3438



51.9647, 39.7994, 26.7730



25.2253, 39.7994, 41.9052

# Square

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



51.9647, 39.7994, 26.7730



31.4877, 39.7994, 16.2352



26.5204, 39.7994, 65.6149



44.9672, 39.7994, 90.6885



# Rectangle

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



51.9647, 39.7994, 26.7730



40.8943, 39.7994, 14.2898



26.5204, 39.7994, 65.6149



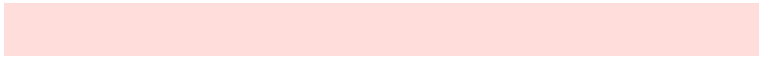
34.9192, 39.7994, 97.2265

# Sweetspot

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



51.9657, 39.8014, 26.7737



79.9614, 78.1817, 78.1012



63.0197, 42.8820, 89.1172



16.6717, 16.0919, 15.8154



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.



51.9657, 39.8014, 26.7737



50.8435, 35.7698, 19.6122



62.5711, 61.0121, 30.3089



17.3167, 17.3693, 17.9023



21.0180, 10.9926, 1.0140



1.9712, 1.0673, 0.1021



# Inverse Universe

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



58.2092, 75.1831, 100.2504



58.2039, 77.5706, 106.5127



43.6412, 46.0472, 95.3944



17.6843, 19.4454, 22.2066



25.2587, 35.8729, 53.5664



2.3623, 3.3683, 4.9688



# Previews

## White Background



This preview shows how the XYZ color 51.9647, 39.7994, 26.7730 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 51.9647, 39.7994, 26.7730 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 51.9647, 39.7994, 26.7730**

## **Background**



This preview shows how black text looks on a background with the XYZ color 51.9647, 39.7994, 26.7730.



This preview shows how white text looks on a background with the XYZ color 51.9647, 39.7994,

26.7730.

# 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

51.9647, 39.7994, 26.7730

### Protanopia

37.8145, 39.9475, 33.3214

### Deuteranopia

40.8129, 40.0323, 25.9980



## Tritanopia

53.0594, 39.8234, 32.0843

# Trichromacy



## Original Color

51.9647, 39.7994, 26.7730



## Protanomaly

41.7379, 39.1032, 30.9390



## Deuteranomaly

44.1333, 39.4479, 26.0570



## Tritanomaly

52.8203, 39.9541, 30.1273

# Monochromacy



## Original Color

51.9647, 39.7994, 26.7730



## Achromatopsia

38.2080, 40.1978, 43.7754



## Achromatomaly

41.5163, 38.8598, 36.7650

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.9647, 39.7994, 26.7730 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(248, 138, 132)` looks like.

```
.text, #text, p{  
    color:rgb(248, 138, 132)  
}
```

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(248, 138, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 138, 132) }
```

## Border

The CSS property to change the border of an element to XYZ 51.9647, 39.7994, 26.7730 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(248, 138, 132) }
```



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

```
.border{ border-color:rgb(248, 138, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 138, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 138, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 138, 132);  
box-shadow:4px 4px 4px 4px rgb(248, 138,  
132) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.9647, 39.7994, 26.7730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 138, 132) }
```

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

```
.background{ background-color: rgb(248,  
138, 132) }
```

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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