

# Converting Colors

XYZ(71.2658, 71.2988, 42.8068)

Have a look what the booklet for  
XYZ(71.2658, 71.2988, 42.8068)  
contains.

<b>XYZ(71.2923, 71.3517, 42.8156)</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(71.2923, 71.3517,  
42.8156)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFD59F
RGB	255, 213, 159
RGB Percent	100%, 84%, 62%
CMY	0.0000, 0.1647, 0.3765
CMYK	0.00, 0.16, 0.38, 0.00
HSL	34°, 100%, 81%
HSV	34°, 38%, 100%
XYZ	71.2923, 71.3517, 42.8156
YIQ	219.4020, 42.3660, -7.8900

# Conversions

## Conversions Part 2

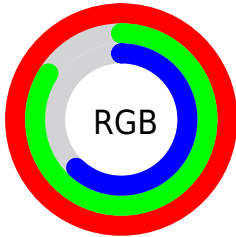
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	234, 255, 159
Decimal	16766367
CIE <sub>Lab</sub>	87.66, 7.50, 32.19
CIE <sub>LCh</sub>	88, 33.055, 76.879
Y <sub>xy</sub>	71.3517, 0.3844, 0.3847
Android (android.graphics.Color)	4294956447 (0xFFFFD59F)
YUV	219.4020, -29.7782, 31.2194
Hunter-Lab	84.4699, 2.8309, 29.0764

# Details

The XYZ color **71.2923, 71.3517, 42.8156** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **53.2340, 56.3623, 102.6810**, and the grayscale version is **67.7925, 71.3230, 77.6707**.

A 20% lighter version of the original color is **89.1376, 97.6350, 77.7657**, and **37.9067, 37.3856, 19.1282** is the 20% darker color. If you saturate the color by 10%, you get **66.5941, 65.1388, 31.4357**, and if you desaturate by 10%, it is **76.6435, 78.1398, 56.6667**.

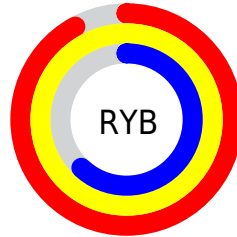
# Distribution



Red (100%)

Green (84%)

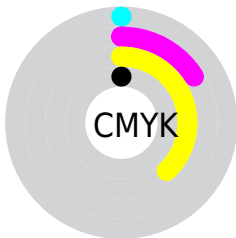
Blue (62%)



Red (92%)

Yellow (100%)

Blue (62%)

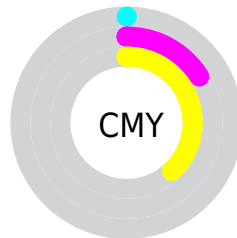


Cyan (0%)

Magenta (16%)

Yellow (38%)

Black (0%)



Cyan (0%)

Magenta (16%)


Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.2923, 71.3517, 42.8156 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 71.2923, 71.3517, 42.8156 by changing the saturation by 10% instead.




 71.2923, 71.3517,  
42.8156


 71.2923, 71.3517,  
42.8156


454.2705,  
465.2819, 373.7518

 52.8642, 52.6293,  
29.4101


 120.0661,  
121.1344, 80.7159

 37.9214, 37.5069,  
19.1431


 151.1425,  
152.9634, 106.0478

 26.0986, 25.6002,  
11.5958


187.1656,  
189.9301, 136.1922

 17.0305, 16.5248,  
6.3499

228.5009,  
232.4188, 171.5678

 10.3517, 9.8963,  
2.9868

275.5137,  
280.8139, 212.5930

 5.6968, 5.3302,  
1.0879

328.5693,

 2.7005, 2.4423,

335.4999, 259.6864

0.0000

388.0331,  
396.8611, 313.2664

■ 0.9974, 0.8475,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 71.2923, 71.3517,  
42.8156

■ 71.2923, 71.3517,  
42.8156

■ 66.5941, 65.1388,  
31.4357

■ 76.6435, 78.1398,  
56.6667

■ 62.5116, 59.4723,  
22.3725

■ 82.6720, 85.5110,  
73.1220

■ 59.0111, 54.3348,  
15.4606

■ 89.4072, 93.4855,  
92.3102

■ 56.0528, 49.7039,  
10.5107

95.0500, 100.0000,  
108.9000

■ 53.5904, 45.5543,  
7.2996

■ 51.5638, 41.8549,  
5.5335

■ 51.1305, 41.0410,  
5.2268

# Harmonies

## Analogous

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



78.6354, 71.3517, 50.2816



71.2923, 71.3517, 42.8156



63.5405, 71.3517, 43.3093

# Triad

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



71.2923, 71.3517, 42.8156



54.4097, 71.3517, 90.8905



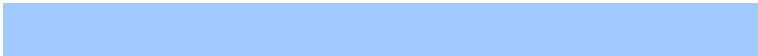
79.4083, 71.3517, 111.0382

# Complementary

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



71.2923, 71.3517, 42.8156



53.2340, 56.3623, 102.6810

# 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.



72.2826, 71.3517, 126.6723



71.2923, 71.3517, 42.8156



58.0405, 71.3517, 113.5938

# Square

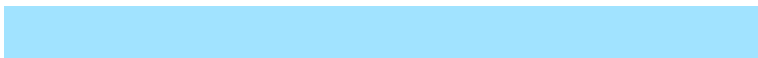
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.2923, 71.3517, 42.8156



54.1894, 71.3517, 68.3091



64.4578, 71.3517, 127.6886



83.5583, 71.3517, 87.8924



# Rectangle

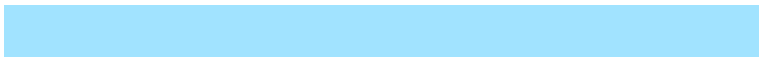
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71.2923, 71.3517, 42.8156



59.1797, 71.3517, 48.0577



64.4578, 71.3517, 127.6886



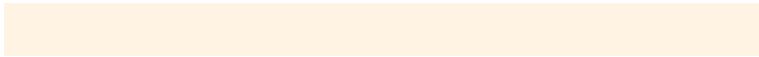
77.2578, 71.3517, 117.5252

# Sweetspot

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



71.2940, 71.3550, 42.8170



87.0680, 90.7428, 85.5630



64.3230, 50.3307, 62.3266



18.4387, 19.1896, 17.7494



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.



71.2940, 71.3550, 42.8170



67.7764, 66.7296, 34.2156



81.5143, 94.3842, 46.7235



18.8572, 19.6826, 18.9496



26.8681, 21.7475, 2.7816



2.7249, 2.3351, 0.3071

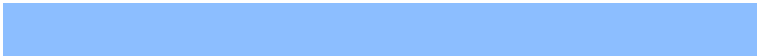


# Inverse Universe

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



53.2340, 56.3623, 102.6810



47.4177, 49.8378, 101.7282



45.7174, 39.8884, 99.8974



17.6568, 18.6851, 22.9259



12.5756, 10.0607, 50.7137



1.3309, 1.1925, 4.9733



# Previews

## White Background



This preview shows how the XYZ color 71.2923, 71.3517, 42.8156 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 71.2923, 71.3517, 42.8156 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 71.2923, 71.3517, 42.8156**

## **Background**



This preview shows how black text looks on a background with the XYZ color 71.2923, 71.3517, 42.8156.



This preview shows how white text looks on a background with the XYZ color 71.2923, 71.3517,



# 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

71.2923, 71.3517, 42.8156

### Protanopia

66.7069, 71.6279, 44.4922

### Deuteranopia

72.0392, 71.2492, 47.9858



## Tritanopia

76.8470, 71.5922, 78.1750

# Trichromacy



## Original Color

71.2923, 71.3517, 42.8156

## Protanomaly

68.2080, 71.2536, 43.8766

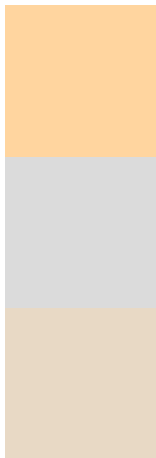
## Deuteranomaly

71.6664, 71.1001, 46.0229

## Tritanomaly

74.4796, 71.4304, 63.2880

# Monochromacy



## Original Color

71.2923, 71.3517, 42.8156

## Achromatopsia

67.3311, 70.8376, 77.1421

## Achromatomaly

68.1696, 70.8127, 62.8986

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.2923, 71.3517, 42.8156 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, 213, 159)` looks like.

```
.text, #text, p{  
    color:rgb(255, 213, 159)  
}
```

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, 213, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 213, 159) }
```

## Border

The CSS property to change the border of an element to XYZ 71.2923, 71.3517, 42.8156 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, 213, 159) }
```



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

```
.border{ border-color:rgb(255, 213, 159) }
```

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

Here you see how a box with a 4 pixel rgb(255, 213, 159) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 213, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 213, 159);  
box-shadow:4px 4px 4px 4px rgb(255, 213,  
159) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.2923, 71.3517, 42.8156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 213, 159) }
```

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

```
.background{ background-color: rgb(255,  
213, 159) }
```

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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