

Converting Colors

XYZ(78.6218, 80.9872, 51.7938)

Have a look what the booklet for
XYZ(78.6218, 80.9872, 51.7938)
contains.

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Color

**XYZ(76.7213, 79.8420,
51.9248)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE4AF
RGB	255, 228, 175
RGB Percent	100%, 89%, 69%
CMY	0.0000, 0.1059, 0.3137
CMYK	0.00, 0.11, 0.31, 0.00
HSL	40°, 100%, 84%
HSV	40°, 31%, 100%
XYZ	76.7213, 79.8420, 51.9248
YIQ	230.0310, 33.1050, -10.7590

Conversions

Conversions Part 2

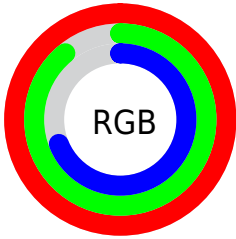
Format	Color
R _Y B	216, 255, 175
Decimal	16770223
CIE Lab	91.61, 1.69, 29.29
CIE LCh	92, 29.335, 86.692
Yxy	79.8420, 0.3680, 0.3830
Android (android.graphics.Color)	4294960303 (0xFFFFE4AF)
YUV	230.0310, -27.1303, 21.8978
Hunter-Lab	89.3544, -3.1067, 28.0940

Details

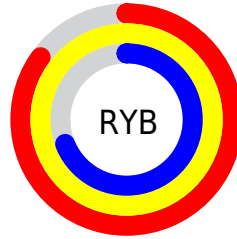
The XYZ color **76.7213, 79.8420, 51.9248** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **56.8491, 58.5731, 102.9172**, and the grayscale version is **75.4158, 79.3432, 86.4048**.

A 20% lighter version of the original color is **91.4238, 98.5495, 89.8047**, and **41.4824, 43.1626, 24.5572** is the 20% darker color. If you saturate the color by 10%, you get **72.1416, 74.3191, 39.1871**, and if you desaturate by 10%, it is **81.8958, 85.7969, 67.1958**.

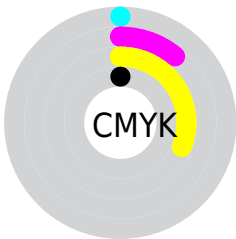
Distribution



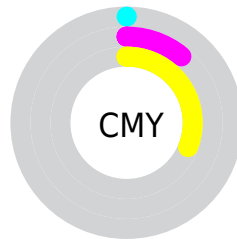
- Red (100%)
- Green (89%)
- Blue (69%)



- Red (85%)
- Yellow (100%)
- Blue (69%)



- Cyan (0%)
- Magenta (11%)
- Yellow (31%)
- Black (0%)



- Cyan (0%)
- Magenta (11%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 76.7213, 79.8420, 51.9248 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 76.7213, 79.8420, 51.9248 by changing the saturation by 10% instead.


 76.7213, 79.8420,
51.9248

 76.7213, 79.8420,
51.9248


472.7198,
494.4002, 411.0949

 57.3233, 59.5883,
36.5633


 127.7209,
133.1436, 94.4458

 41.5060, 43.0869,
24.5764


160.0533,
166.9603, 122.4423

 28.9041, 29.9533,
15.5456


197.4277,
206.0668, 155.4877

 19.1522, 19.8032,
9.0523

240.2097,
250.8475, 194.0003

 11.8850, 12.2520,
4.6781

288.7645,
301.6868, 238.3989

 6.7370, 6.9156,
2.0042

343.4576,

 3.3431, 3.4094,

358.9691, 289.1018

0.5579

404.6542,
423.0788, 346.5276

■ 1.3377, 1.3490,
0.0000

■ 0.2111, 0.1787,
0.0000

■ 76.7213, 79.8420,
51.9248

■ 76.7213, 79.8420,
51.9248

■ 72.1416, 74.3191,
39.1871

■ 81.8958, 85.7969,
67.1958

■ 68.1223, 69.2034,
28.8366

■ 87.6853, 92.1863,
85.1251

■ 64.6343, 64.4832,
20.7198

■ 94.1165, 99.0260,
105.8357

■ 61.6431, 60.1419,
14.6633

■ 95.0500, 100.0000,
108.9000

■ 59.1090, 56.1608,
10.4675

■ 56.9848, 52.5179,
7.8927

■ 55.4198, 49.6196,
6.6566

Harmonies

Analogous

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



84.0716, 79.8420, 56.8267



76.7213, 79.8420, 51.9248



69.6021, 79.8420, 55.0533

Triad

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



76.7213, 79.8420, 51.9248



63.7371, 79.8420, 106.8029



88.5672, 79.8420, 111.6005

Complementary

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



76.7213, 79.8420, 51.9248



56.8491, 58.5731, 102.9172

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.



82.5402, 79.8420, 129.2231



76.7213, 79.8420, 51.9248



68.2524, 79.8420, 126.1486

Square

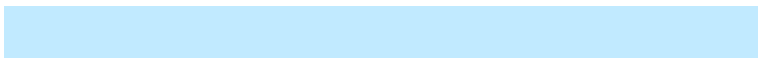
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.7213, 79.8420, 51.9248



62.4021, 79.8420, 84.5765



75.0596, 79.8420, 134.9390



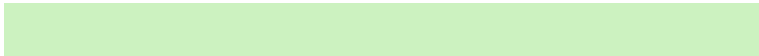
91.1877, 79.8420, 89.3356

Rectangle

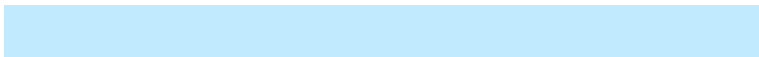
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.7213, 79.8420, 51.9248



65.8853, 79.8420, 61.6074



75.0596, 79.8420, 134.9390



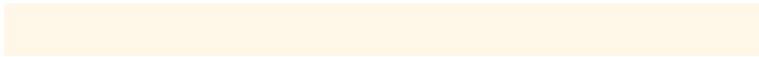
86.8538, 79.8420, 118.3958

Sweetspot

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



76.7233, 79.8456, 51.9264



89.1517, 93.7673, 89.7813



67.3500, 56.2326, 63.8050



18.8887, 19.8618, 18.6015



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

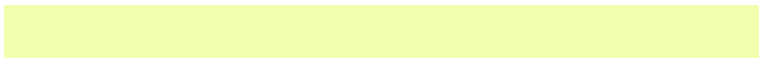
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.7233, 79.8456, 51.9264



73.6221, 76.1359, 43.2083



80.4603, 93.6700, 54.3979



19.0147, 19.9976, 19.0021



29.1017, 26.2146, 3.5261



2.9346, 2.7546, 0.3770

Inverse Universe

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



56.8491, 58.5731, 102.9172



50.7567, 51.6722, 101.9063



53.8743, 48.4457, 101.1192



17.5039, 18.3794, 22.8750



11.2951, 7.4998, 50.2869



1.1960, 0.9226, 4.9283

Previews

White Background



This preview shows how the XYZ color 76.7213, 79.8420, 51.9248 looks on a white background.

Color Contrast Check

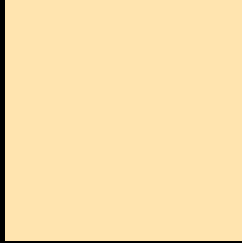
Large Text (above 18pt) WCAG AA × Fail

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 76.7213, 79.8420, 51.9248 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

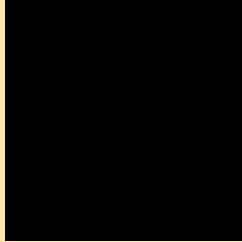
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 76.7213, 79.8420, 51.9248

Background



This preview shows how black text looks on a background with the XYZ color 76.7213, 79.8420, 51.9248.



This preview shows how white text looks on a background with the XYZ color 76.7213, 79.8420,

51.9248.

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

76.7213, 79.8420, 51.9248

Protanopia

74.7702, 80.0606, 52.5867

Deuteranopia

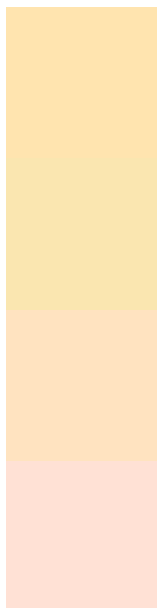
79.0970, 79.9170, 67.1338



Tritanopia

82.6231, 80.0335, 89.6906

Trichromacy



Original Color

76.7213, 79.8420, 51.9248

Protanomaly

75.5576, 80.0522, 52.5436

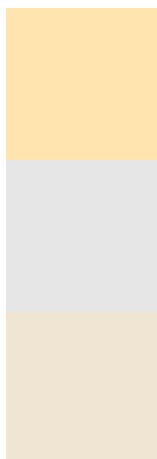
Deuteranomaly

78.2235, 80.0039, 61.1887

Tritanomaly

80.1755, 79.9145, 74.1501

Monochromacy



Original Color

76.7213, 79.8420, 51.9248

Achromatopsia

75.2129, 79.1298, 86.1723

Achromatomaly

75.2488, 79.0425, 72.2635

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.7213, 79.8420, 51.9248 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, 228, 175)` looks like.

```
.text, #text, p{  
  color:rgb(255, 228, 175)  
}
```

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, 228, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 228, 175) }
```

Border

The CSS property to change the border of an element to XYZ 76.7213, 79.8420, 51.9248 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, 228, 175) }
```


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

```
.border{ border-color:rgb(255, 228, 175) }
```

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

Here you see how a box with a 4 pixel rgb(255, 228, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 228, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 228, 175);  
box-shadow:4px 4px 4px 4px rgb(255, 228,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 76.7213, 79.8420, 51.9248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 228, 175) }
```

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

```
.background{ background-color: rgb(255,  
228, 175) }
```

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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