

# Converting Colors

XYZ(77.1875, 81.6414, 56.4899)

Have a look what the booklet for  
XYZ(77.1875, 81.6414, 56.4899)  
contains.

<b>XYZ(77.1875, 81.6414, 56.4899)</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(77.1875, 81.6414,  
56.4899)**

# Conversions

Conversions Part 1	
Format	Color
Hex	FBE8B7
RGB	251, 232, 183
RGB Percent	98%, 91%, 72%
CMY	0.0157, 0.0902, 0.2823
CMYK	0.00, 0.08, 0.27, 0.02
HSL	43°, 89%, 85%
HSV	43°, 27%, 98%
XYZ	77.1875, 81.6414, 56.4899
YIQ	232.0950, 27.0530, -11.2110

# Conversions

## Conversions Part 2

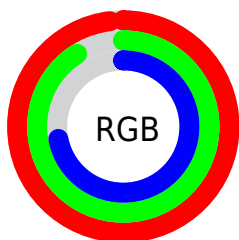
Format	Color
<a href="#">RYB</a>	<a href="#">209, 251, 183</a>
Decimal	<a href="#">16509111</a>
CIELab	<a href="#">92.42, -0.82, 26.22</a>
CIELCh	<a href="#">92, 26.231, 91.802</a>
Yxy	<a href="#">81.6414, 0.3585, 0.3792</a>
Android (android.graphics.Color)	<a href="#">4294699191</a> (0xFFFFBE8B7)
YUV	<a href="#">232.0950, -24.2038, 16.5797</a>
Hunter-Lab	<a href="#">90.3556, -5.6364, 26.1811</a>

# Details

The XYZ color **77.1875, 81.6414, 56.4899** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **58.0611, 59.2717, 99.6474**, and the grayscale version is **76.9360, 80.9427, 88.1466**.

A 20% lighter version of the original color is **92.5800, 99.0120, 95.8931**, and **41.8027, 44.1317, 27.4341** is the 20% darker color. If you saturate the color by 10%, you get **72.8708, 76.8224, 43.2911**, and if you desaturate by 10%, it is **82.0531, 86.8116, 72.1720**.

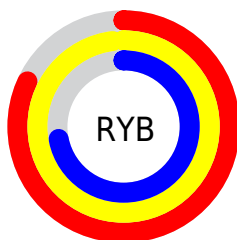
# Distribution



Red (98%)

Green (91%)

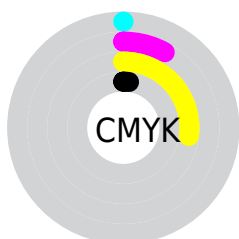
Blue (72%)



Red (82%)

Yellow (98%)

Blue (72%)

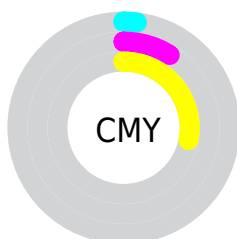


Cyan (0%)

Magenta (8%)

Yellow (27%)

Black (2%)



Cyan (2%)

Magenta (9%)


Yellow (28%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.1875, 81.6414, 56.4899 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 77.1875, 81.6414, 56.4899 by changing the saturation by 10% instead.





 77.1875, 81.6414,  
56.4899

 77.1875, 81.6414,  
56.4899


474.2852,  
500.4474, 428.9752

 57.7072, 61.0700,  
40.1892


 128.3756,  
135.6710, 101.2134

 41.8157, 44.2817,  
27.3712


160.8141,  
169.8980, 130.4734

 29.1475, 30.8920,  
17.6173


198.3027,  
209.4456, 164.8901

 19.3372, 20.5166,  
10.5090

241.2068,  
254.6983, 204.8822

 12.0197, 12.7711,  
5.6277

289.8918,  
306.0404, 250.8683

 6.8294, 7.2711,  
2.5550


344.7229,


 3.4010, 3.6322,


363.8564, 303.2667


0.8691


406.0656,  
428.5306, 362.4962


 1.3692, 1.4700,  
0.0000


 0.2341, 0.2675,  
0.0000

 77.1875, 81.6414,  
56.4899

 77.1875, 81.6414,  
56.4899


 72.8708, 76.8224,  
43.2911


 82.0531, 86.8116,  
72.1720

 69.0710, 72.3319,  
32.4397

 87.4851, 92.3330,  
90.4533

 65.7622, 68.1608,  
23.7946

 92.9716, 98.0050,  
108.6245

 62.9136, 64.2953,  
17.1976

 93.5937, 99.2493,  
108.8318

■ 60.4899, 60.7199,  
12.4688

■ 58.4503, 57.4166,  
9.3972

■ 56.7425, 54.3628,  
7.7121

■ 56.2850, 53.5119,  
7.3623

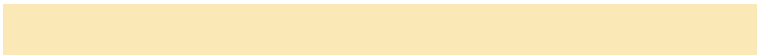
# Harmonies

## Analogous

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



83.9374, 81.6414, 59.8225



77.1875, 81.6414, 56.4899



70.9132, 81.6414, 60.7309

# Triad

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



77.1875, 81.6414, 56.4899



67.0136, 81.6414, 110.1096



89.6932, 81.6414, 107.7753

# Complementary

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



77.1875, 81.6414, 56.4899



58.0611, 59.2717, 99.6474

# 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.



84.6896, 81.6414, 124.6427



77.1875, 81.6414, 56.4899



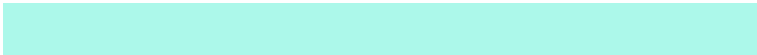
71.5855, 81.6414, 126.1228

# Square

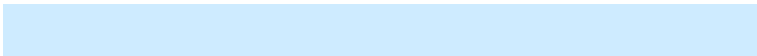
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.1875, 81.6414, 56.4899



65.2561, 81.6414, 90.0757



78.0094, 81.6414, 131.7902



91.4049, 81.6414, 87.7219

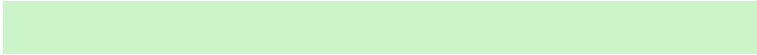


# Rectangle

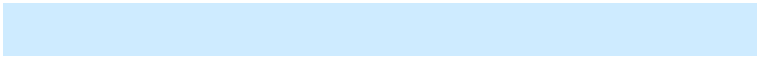
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.1875, 81.6414, 56.4899



67.7748, 81.6414, 67.7019



78.0094, 81.6414, 131.7902



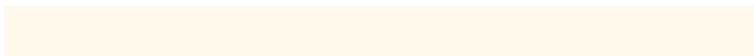
88.3266, 81.6414, 114.1017

# Sweetspot

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



77.1896, 81.6451, 56.4916



90.1467, 95.1731, 91.9136



67.4101, 58.6541, 63.8122



19.1072, 20.1825, 19.0329



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

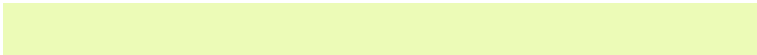
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.1896, 81.6451, 56.4916



77.2909, 81.6237, 50.1344



77.7256, 90.2921, 58.1324



18.2936, 19.3230, 18.2279



29.7148, 28.3863, 3.9130



2.8414, 2.8077, 0.3922



# Inverse Universe

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



58.0611, 59.2717, 99.6474



54.1829, 54.6031, 102.2914



57.5654, 52.8026, 98.4248



16.6777, 17.4322, 21.8710



10.4126, 6.1809, 48.6178



1.0496, 0.7429, 4.5313



# Previews

## White Background



This preview shows how the XYZ color 77.1875, 81.6414, 56.4899 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

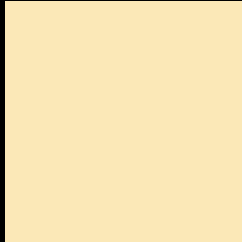
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.1875, 81.6414, 56.4899 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

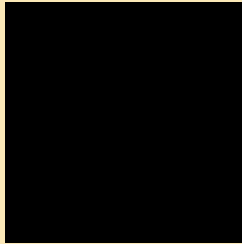
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 77.1875, 81.6414, 56.4899**

## **Background**



This preview shows how black text looks on a background with the XYZ color 77.1875, 81.6414, 56.4899.



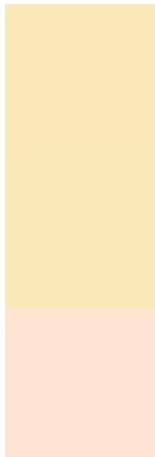
This preview shows how white text looks on a background with the XYZ color 77.1875, 81.6414,



# 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

77.1875, 81.6414, 56.4899

### Protanopia

76.3976, 81.6532, 56.5338

### Deuteranopia

80.4920, 81.3503, 71.7814




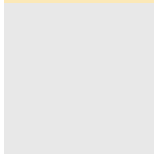
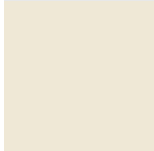
## Tritanopia

84.0424, 81.4613, 94.5132

# Trichromacy

	<b>Original Color</b> 77.1875, 81.6414, 56.4899
	<b>Protanomaly</b> 76.7531, 81.8365, 56.5504
	<b>Deuteranomaly</b> 79.3177, 81.2796, 66.1516
	
	<b>Tritanomaly</b> 81.5347, 81.7249, 79.1873

# Monochromacy

	<b>Original Color</b> 77.1875, 81.6414, 56.4899
	<b>Achromatopsia</b> 76.7008, 80.6952, 87.8771
	<b>Achromatomaly</b> 76.5908, 80.9190, 75.2005
	
	

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.1875, 81.6414, 56.4899 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(251, 232, 183) looks like.

```
.text, #text, p{  
    color:rgb(251, 232, 183)  
}
```

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(251, 232, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 232, 183) }
```

## Border

The CSS property to change the border of an element to XYZ 77.1875, 81.6414, 56.4899 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(251, 232, 183) }
```



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

```
.border{ border-color:rgb(251, 232, 183) }
```

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

Here you see how a box with a 4 pixel rgb(251, 232, 183) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 232, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 232, 183);  
box-shadow:4px 4px 4px 4px rgb(251, 232,  
183) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.1875, 81.6414, 56.4899 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 232, 183) }
```

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

```
.background{ background-color: rgb(251,  
232, 183) }
```

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](#).

Hey! You found this booklet  
interesting? Support Converting  
Colors with the new Membership  
Option!

The pro membership hides all ads, plus gives you  
double the colors in the color bucket, and more  
awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor