

# Converting Colors

XYZ(112.6631, 100.0000,  
52.9127)

Have a look what the booklet for  
XYZ(112.6631, 100.0000, 52.9127)  
contains.

<b>XYZ(77.6394, 81.9904, 51.2688)</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(77.6394, 81.9904,  
51.2688)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE8AD
RGB	255, 232, 173
RGB Percent	100%, 91%, 68%
CMY	0.0000, 0.0902, 0.3216
CMYK	0.00, 0.09, 0.32, 0.00
HSL	43°, 100%, 84%
HSV	43°, 32%, 100%
XYZ	77.6394, 81.9904, 51.2688
YIQ	232.1510, 32.6470, -13.4730

# Conversions

## Conversions Part 2

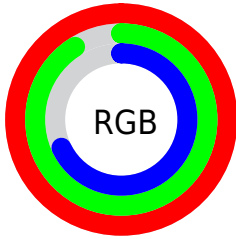
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	205, 255, 173
Decimal	16771245
CIE Lab	92.57, -0.58, 31.60
CIE LCh	93, 31.602, 91.054
Yxy	81.9904, 0.3681, 0.3888
Android (android.graphics.Color)	4294961325 (0xFFFFE8AD)
YUV	232.1510, -29.1614, 20.0386
Hunter-Lab	90.5486, -5.4080, 29.8138

# Details

The XYZ color **77.6394, 81.9904, 51.2688** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **55.0229, 55.5822, 102.4361**, and the grayscale version is **77.0110, 81.0216, 88.2325**.

A 20% lighter version of the original color is **91.1429, 98.4371, 88.3253**, and **42.1383, 44.6707, 24.1707** is the 20% darker color. If you saturate the color by 10%, you get **73.4323, 77.1550, 38.8329**, and if you desaturate by 10%, it is **82.4036, 87.1855, 66.2155**.

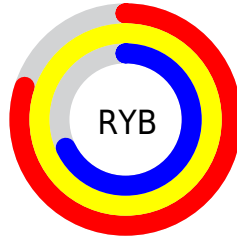
# Distribution



■ Red (100%)

■ Green (91%)

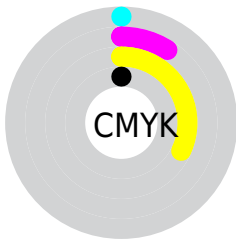
■ Blue (68%)



■ Red (80%)

■ Yellow (100%)

■ Blue (68%)

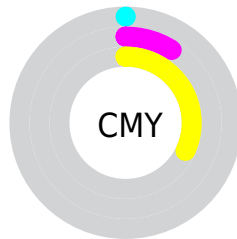


■ Cyan (0%)

■ Magenta (9%)

■ Yellow (32%)

■ Black (0%)



■ Cyan (0%)

■ Magenta (9%)


■ Yellow (32%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.6394, 81.9904, 51.2688 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 77.6394, 81.9904, 51.2688 by changing the saturation by 10% instead.




 77.6394, 81.9904,  
51.2688

 77.6394, 81.9904,  
51.2688


475.7999,  
501.6156, 408.4836

 58.0796, 61.3576,  
36.0444


 129.0097,  
136.1605, 93.4675

 42.1161, 44.5138,  
24.1785


161.5509,  
170.4667, 121.2789

 29.3837, 31.0747,  
15.2527


199.1499,  
210.0994, 154.1231

 19.5170, 20.6557,  
8.8483

242.1721,  
255.4431, 192.4185

 12.1507, 12.8726,  
4.5469

290.9829,  
306.8822, 236.5837

 6.9193, 7.3409,  
1.9299

345.9475,

 3.4576, 3.6762,

364.8010, 287.0372

0.5117

407.4314,  
429.5840, 344.1977

■ 1.4001, 1.4941,  
0.0000

■ 0.2563, 0.2846,  
0.0000

■ 77.6394, 81.9904,  
51.2688

■ 77.6394, 81.9904,  
51.2688

■ 73.4323, 77.1550,  
38.8329

■ 82.4036, 87.1855,  
66.2155

■ 69.7481, 72.6554,  
28.7608

■ 87.7443, 92.7408,  
83.7986

■ 66.5584, 68.4815,  
20.8982

■ 93.6874, 98.6712,  
104.1412

■ 63.8290, 64.6181,  
15.0700

95.0500, 100.0000,  
108.9000

■ 61.5206, 61.0478,  
11.0745

■ 59.5861, 57.7502,  
8.6683

■ 58.2756, 55.3313,  
7.6086

# Harmonies

## Analogous

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



85.8227, 81.9904, 55.2655



77.6394, 81.9904, 51.2688



70.0660, 81.9904, 55.8718

# Triad

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



77.6394, 81.9904, 51.2688



65.1721, 81.9904, 114.6868



92.5769, 81.9904, 112.9930

# Complementary

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



77.6394, 81.9904, 51.2688



55.0229, 55.5822, 102.4361

# 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.



86.3602, 81.9904, 133.8791



77.6394, 81.9904, 51.2688



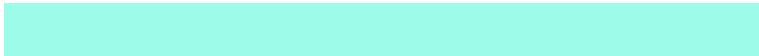
70.5356, 81.9904, 134.9716

# Square

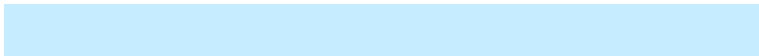
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.6394, 81.9904, 51.2688



63.1866, 81.9904, 90.1078



78.2202, 81.9904, 142.5391



94.8037, 81.9904, 88.4446

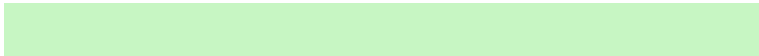


# Rectangle

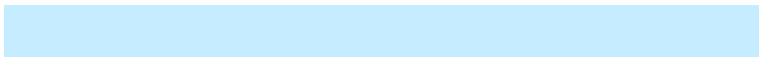
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.6394, 81.9904, 51.2688



66.2846, 81.9904, 63.7622



78.2202, 81.9904, 142.5391



90.8639, 81.9904, 120.8170

# Sweetspot

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



77.6415, 81.9942, 51.2705



88.9739, 93.9874, 87.9472



66.1745, 55.1441, 59.5209



18.8718, 19.9428, 18.2424



0.0000, 0.0000, 0.0000

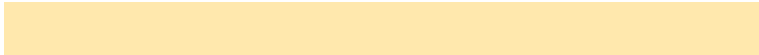


20.3446, 21.4041, 23.3091



# Same Dimension

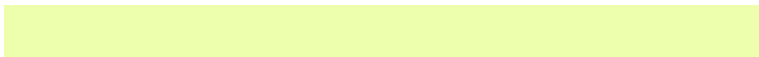
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.6415, 81.9942, 51.2705



74.7027, 78.6450, 42.4958



78.3062, 92.5820, 53.2791



19.1054, 20.1790, 19.0323



30.5830, 29.1772, 4.0199



3.0702, 3.0258, 0.4222



# Inverse Universe

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



55.0229, 55.5822, 102.4361



48.6972, 48.2907, 101.3622



54.4216, 48.1543, 101.0341



17.4176, 18.2069, 22.8462



10.7335, 6.3765, 50.0997



1.1326, 0.7959, 4.9072



# Previews

## White Background



This preview shows how the XYZ color 77.6394, 81.9904, 51.2688 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

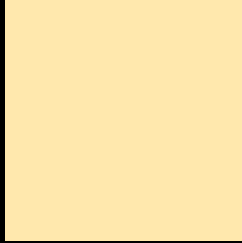
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.6394, 81.9904, 51.2688 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

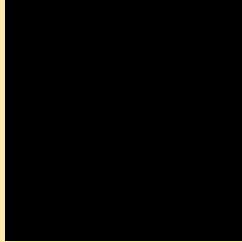
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 77.6394, 81.9904, 51.2688**

## **Background**



This preview shows how black text looks on a background with the XYZ color 77.6394, 81.9904, 51.2688.



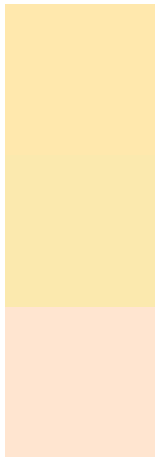
This preview shows how white text looks on a background with the XYZ color 77.6394, 81.9904,



# 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

77.6394, 81.9904, 51.2688

### Protanopia

76.5626, 81.8430, 51.8064

### Deuteranopia

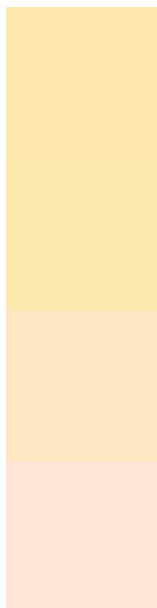
80.6445, 81.8527, 71.2232



## Tritanopia

84.0163, 81.8847, 93.0385

# Trichromacy



## Original Color

77.6394, 81.9904, 51.2688

## Protanomaly

76.9238, 82.0293, 51.8233

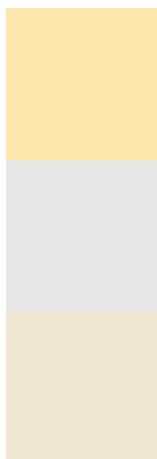
## Deuteranomaly

79.3871, 81.7938, 63.2334

## Tritanomaly

81.2491, 81.6531, 75.7683

# Monochromacy



## Original Color

77.6394, 81.9904, 51.2688

## Achromatopsia

76.7008, 80.6952, 87.8771

## Achromatomaly

76.5497, 80.9416, 73.2167

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.6394, 81.9904, 51.2688 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, 232, 173)` looks like.

```
.text, #text, p{  
    color:rgb(255, 232, 173)  
}
```

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, 232, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 232, 173) }
```

## Border

The CSS property to change the border of an element to XYZ 77.6394, 81.9904, 51.2688 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, 232, 173) }
```



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

```
.border{ border-color:rgb(255, 232, 173) }
```

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

Here you see how a box with a 4 pixel rgb(255, 232, 173) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 232, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 232, 173);  
box-shadow:4px 4px 4px 4px rgb(255, 232,  
173) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.6394, 81.9904, 51.2688 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 232, 173) }
```

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

```
.background{ background-color: rgb(255,  
232, 173) }
```

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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