

# Converting Colors

XYZ(79.6818, 83.0916, 49.8886)

Have a look what the booklet for  
XYZ(79.6818, 83.0916, 49.8886)  
contains.

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# Color

**XYZ(77.3523, 81.8755,  
49.7569)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE8AA
RGB	255, 232, 170
RGB Percent	100%, 91%, 67%
CMY	0.0000, 0.0902, 0.3333
CMYK	0.00, 0.09, 0.33, 0.00
HSL	44°, 100%, 83%
HSV	44°, 33%, 100%
XYZ	77.3523, 81.8755, 49.7569
YIQ	231.8090, 33.6100, -14.4060

# Conversions

## Conversions Part 2

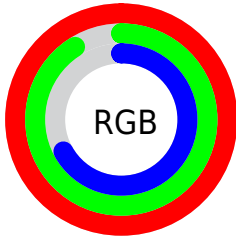
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	202, 255, 170
Decimal	16771242
CIE Lab	92.52, -0.94, 33.05
CIE LCh	93, 33.067, 91.628
Yxy	81.8755, 0.3701, 0.3918
Android (android.graphics.Color)	4294961322 (0xFFFFE8AA)
YUV	231.8090, -30.4718, 20.3385
Hunter-Lab	90.4851, -5.7559, 30.7365

# Details

The XYZ color **77.3523, 81.8755, 49.7569** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **53.6971, 53.9044, 102.1822**, and the grayscale version is **76.7637, 80.7614, 87.9492**.

A 20% lighter version of the original color is **90.7275, 98.2710, 86.1379**, and **41.9590, 44.5990, 23.2266** is the 20% darker color. If you saturate the color by 10%, you get **73.2670, 77.1980, 37.6264**, and if you desaturate by 10%, it is **81.9858, 86.9001, 64.3803**.

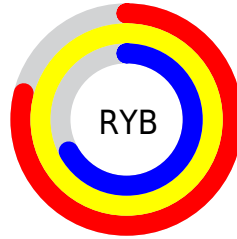
# Distribution



Red (100%)

Green (91%)

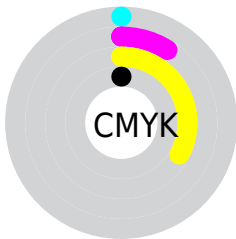
Blue (67%)



Red (79%)

Yellow (100%)

Blue (67%)

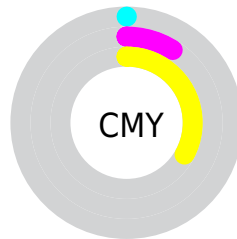


Cyan (0%)

Magenta (9%)

Yellow (33%)

Black (0%)



Cyan (0%)

Magenta (9%)


Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.3523, 81.8755, 49.7569 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 77.3523, 81.8755, 49.7569 by changing the saturation by 10% instead.




 77.3523, 81.8755,  
49.7569

 77.3523, 81.8755,  
49.7569


474.8379,  
501.2312, 402.4223

 57.8430, 61.2629,  
34.8504


 128.6069,  
135.9994, 91.2072

 41.9252, 44.4374,  
23.2651


161.0829,  
170.2795, 118.5881

 29.2336, 31.0145,  
14.5822


198.6118,  
209.8842, 150.9642

 19.4028, 20.6099,  
8.3834

241.5590,  
255.1980, 188.7541

 12.0674, 12.8392,  
4.2499

290.2899,  
306.6052, 232.3764

 6.8621, 7.3179,  
1.7634

345.1697,

 3.4216, 3.6617,

364.4902, 282.2494

0.4037

406.5640,  
429.2374, 338.7919

■ 1.3804, 1.4862,  
0.0000

■ 0.2422, 0.2790,  
0.0000

■ 77.3523, 81.8755,  
49.7569

■ 77.3523, 81.8755,  
49.7569

■ 73.2670, 77.1980,  
37.6264

■ 81.9858, 86.9001,  
64.3803

■ 69.6958, 72.8438,  
27.8404

■ 87.1873, 92.2723,  
81.6233

■ 66.6099, 68.8028,  
20.2425

■ 92.9828, 98.0068,  
101.6100

■ 63.9747, 65.0600,  
14.6552

95.0500, 100.0000,  
108.9000

■ 61.7504, 61.5977,  
10.8729

■ 59.8886, 58.3953,  
8.6454

■ 58.8026, 56.3852,  
7.7842

# Harmonies

## Analogous

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



85.9292, 81.8755, 53.6921



77.3523, 81.8755, 49.7569



69.4825, 81.8755, 54.6555

# Triad

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



77.3523, 81.8755, 49.7569



64.5965, 81.8755, 116.3028



93.2636, 81.8755, 113.5480

# Complementary

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



77.3523, 81.8755, 49.7569



53.6971, 53.9044, 102.1822

# 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.



86.7996, 81.8755, 135.7539



77.3523, 81.8755, 49.7569



70.2382, 81.8755, 137.5389

# Square

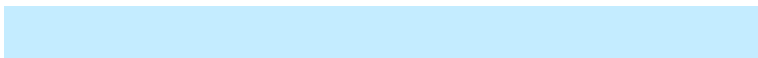
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.3523, 81.8755, 49.7569



62.4613, 81.8755, 90.4980



78.2900, 81.8755, 145.2332



95.5106, 81.8755, 87.8125

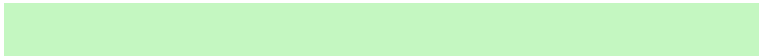


# Rectangle

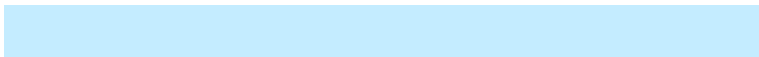
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.3523, 81.8755, 49.7569



65.5851, 81.8755, 62.9088



78.2900, 81.8755, 145.2332



91.4895, 81.8755, 121.8261

# Sweetspot

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



77.3544, 81.8792, 49.7586



89.0515, 94.1425, 87.9731



65.3623, 53.9092, 58.0495



18.8907, 19.9805, 18.2487



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

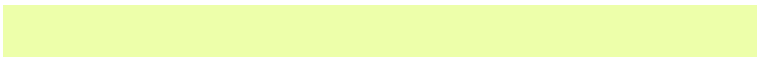
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.3544, 81.8792, 49.7586



74.5703, 78.7210, 41.4014



77.8022, 92.3553, 51.7571



19.1212, 20.2106, 19.0376



30.8559, 29.7230, 4.1108



3.0949, 3.0753, 0.4305



# Inverse Universe

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



53.6971, 53.9044, 102.1822



47.6281, 46.8748, 101.1452



53.2674, 46.7149, 100.8171



17.4027, 18.1771, 22.8413



10.6478, 6.2052, 50.0711



1.1226, 0.7759, 4.9039



# Previews

## White Background



This preview shows how the XYZ color 77.3523, 81.8755, 49.7569 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 77.3523, 81.8755, 49.7569 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

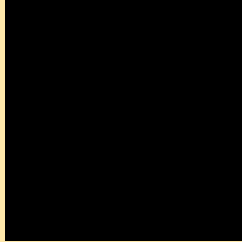
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 77.3523, 81.8755, 49.7569**

## **Background**



This preview shows how black text looks on a background with the XYZ color 77.3523, 81.8755, 49.7569.



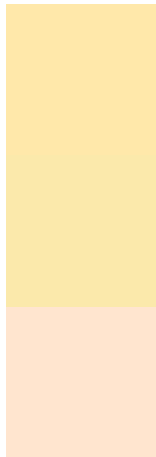
This preview shows how white text looks on a background with the XYZ color 77.3523, 81.8755,



# 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

77.3523, 81.8755, 49.7569

### Protanopia

76.2733, 81.7273, 50.2830

### Deuteranopia

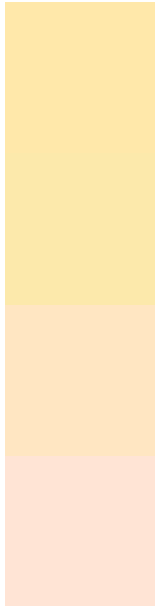
80.5218, 81.8036, 70.5772



## Tritanopia

83.8690, 81.8258, 92.2625

# Trichromacy



## Original Color

77.3523, 81.8755, 49.7569

## Protanomaly

76.6345, 81.9135, 50.2999

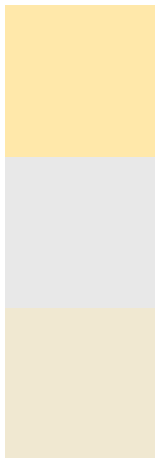
## Deuteranomaly

79.2744, 81.7487, 62.6398

## Tritanomaly

80.9936, 81.5509, 74.4229

# Monochromacy



## Original Color

77.3523, 81.8755, 49.7569

## Achromatopsia

76.7008, 80.6952, 87.8771

## Achromatomaly

76.3004, 80.8419, 71.9042

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.3523, 81.8755, 49.7569 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, 170)` looks like.

```
.text, #text, p{  
    color:rgb(255, 232, 170)  
}
```

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, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 232, 170) }
```

## Border

The CSS property to change the border of an element to XYZ 77.3523, 81.8755, 49.7569 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, 170) }
```



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

```
.border{ border-color:rgb(255, 232, 170) }
```

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, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 232, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 232, 170);  
box-shadow:4px 4px 4px 4px rgb(255, 232,  
170) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.3523, 81.8755, 49.7569 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, 170) }
```

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

```
.background{ background-color: rgb(255,  
232, 170) }
```

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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