

# Converting Colors

XYZ(110.9109, 100.0000,  
56.4850)

Have a look what the booklet for  
XYZ(110.9109, 100.0000, 56.4850)  
contains.

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# Color

**XYZ(78.9010, 83.4009,  
55.1195)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFEAB4
RGB	255, 234, 180
RGB Percent	100%, 92%, 71%
CMY	0.0000, 0.0823, 0.2941
CMYK	0.00, 0.08, 0.29, 0.00
HSL	43°, 100%, 85%
HSV	43°, 29%, 100%
XYZ	78.9010, 83.4009, 55.1195
YIQ	234.1230, 29.8500, -12.3420

# Conversions

## Conversions Part 2

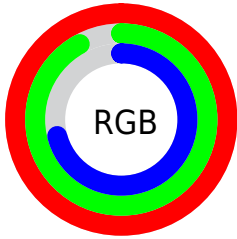
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	209, 255, 180
Decimal	16771764
CIE Lab	93.19, -0.73, 28.86
CIE LCh	93, 28.871, 91.452
Yxy	83.4009, 0.3629, 0.3836
Android (android.graphics.Color)	4294961844 (0xFFFEAB4)
YUV	234.1230, -26.6826, 18.3091
Hunter-Lab	91.3241, -5.5991, 28.1418

# Details

The XYZ color **78.9010, 83.4009, 55.1195** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **57.7585, 58.6949, 102.8928**, and the grayscale version is **78.4815, 82.5687, 89.9173**.

A 20% lighter version of the original color is **92.1403, 98.8361, 93.5778**, and **42.7771, 45.2434, 26.5569** is the 20% darker color. If you saturate the color by 10%, you get **74.5478, 78.4761, 42.0099**, and if you desaturate by 10%, it is **83.8182, 88.6882, 70.7768**.

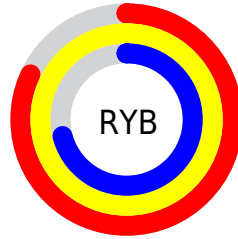
# Distribution



Red (100%)

Green (92%)

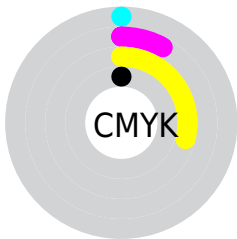
Blue (71%)



Red (82%)

Yellow (100%)

Blue (71%)

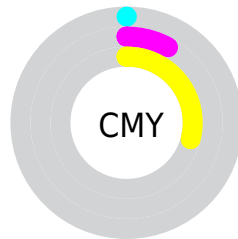


Cyan (0%)

Magenta (8%)

Yellow (29%)

Black (0%)



Cyan (0%)

Magenta (8%)


Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 78.9010, 83.4009, 55.1195 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 78.9010, 83.4009, 55.1195 by changing the saturation by 10% instead.




 78.9010, 83.4009,  
55.1195

 78.9010, 83.4009,  
55.1195


480.0145,  
506.3216, 423.6595

 59.1198, 62.5209,  
39.0982


 130.7781,  
138.1368, 99.1889

 42.9563, 45.4538,  
26.5277


163.6048,  
172.7615, 128.0741

 30.0452, 31.8150,  
16.9895


201.5105,  
212.7367, 162.0843

 20.0211, 21.2202,  
10.0651

244.8609,  
258.4465, 201.6380

 12.5188, 13.2851,  
5.3360

294.0211,  
310.2756, 247.1539

 7.1727, 7.6251,  
2.3836

349.3565,

 3.6176, 3.8560,

368.6082, 299.0504

0.7775

411.2325,  
433.8287, 357.7461

■ 1.4882, 1.5934,  
0.0000

■ 0.3178, 0.3531,  
0.0000

■ 78.9010, 83.4009,  
55.1195

■ 78.9010, 83.4009,  
55.1195

■ 74.5478, 78.4761,  
42.0099

■ 83.8182, 88.6882,  
70.7768

■ 70.7251, 73.8900,  
31.3042

■ 89.3184, 94.3383,  
89.1044

■ 67.4053, 69.6331,  
22.8524

95.0500, 100.0000,  
108.9000

■ 64.5554, 65.6904,  
16.4852

■ 62.1377, 62.0454,  
12.0094

■ 60.1076, 58.6786,  
9.1951

■ 58.3971, 55.5610,  
7.6896

■ 58.3016, 55.3832,  
7.6172

# Harmonies

## Analogous

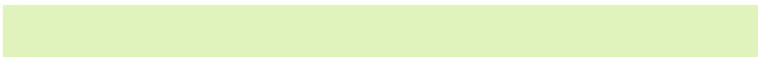
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.4480, 83.4009, 58.8318



78.9010, 83.4009, 55.1195



71.8993, 83.4009, 59.6279

# Triad

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



78.9010, 83.4009, 55.1195



67.4652, 83.4009, 114.4000



92.7874, 83.4009, 112.2746

# Complementary

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



78.9010, 83.4009, 55.1195



57.7585, 58.6949, 102.8928

# 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.



87.1281, 83.4009, 131.3164



78.9010, 83.4009, 55.1195



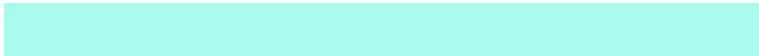
72.5008, 83.4009, 132.6748

# Square

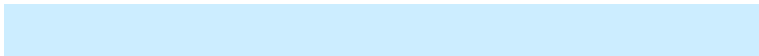
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.9010, 83.4009, 55.1195



65.5627, 83.4009, 91.8721



79.6403, 83.4009, 139.3055



94.7660, 83.4009, 89.7549

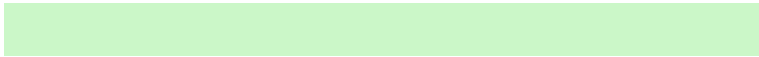


# Rectangle

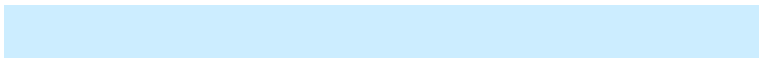
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.9010, 83.4009, 55.1195



68.3995, 83.4009, 67.1827



79.6403, 83.4009, 139.3055



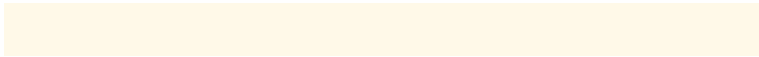
91.2353, 83.4009, 119.4124

# Sweetspot

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



78.9031, 83.4047, 55.1212



89.5573, 94.5784, 89.9165



68.1339, 58.1323, 63.0432



18.9889, 20.0623, 18.6349



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

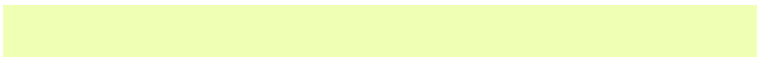
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.9031, 83.4047, 55.1212



76.4015, 80.6071, 47.4882



79.5108, 93.1227, 56.9650



19.1062, 20.1806, 19.0326



30.5964, 29.2040, 4.0243



3.0714, 3.0282, 0.4226



# Inverse Universe

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



57.7585, 58.6949, 102.8928



52.2962, 52.4453, 101.9744



57.2022, 51.6329, 101.5590



17.4169, 18.2054, 22.8460



10.7291, 6.3679, 50.0982



1.1321, 0.7949, 4.9070



# Previews

## White Background



This preview shows how the XYZ color 78.9010, 83.4009, 55.1195 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

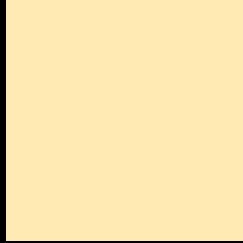
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 78.9010, 83.4009, 55.1195 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

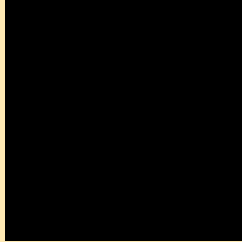
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 78.9010, 83.4009, 55.1195

## Background



This preview shows how black text looks on a background with the XYZ color 78.9010, 83.4009, 55.1195.



This preview shows how white text looks on a background with the XYZ color 78.9010, 83.4009,



# 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

78.9010, 83.4009, 55.1195

### Protanopia

78.1937, 83.4483, 55.7019

### Deuteranopia

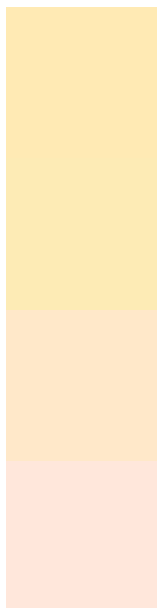
81.8262, 83.2159, 74.7004



## Tritanopia

85.1365, 83.6495, 94.8779

# Trichromacy



## Original Color

78.9010, 83.4009, 55.1195

## Protanomaly

78.5568, 83.6355, 55.7189

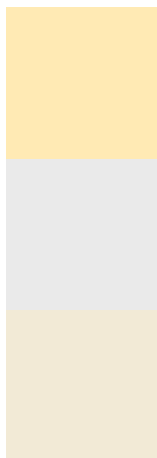
## Deuteranomaly

80.6392, 83.1903, 67.0655

## Tritanomaly

82.6021, 83.5263, 78.7864

# Monochromacy



## Original Color

78.9010, 83.4009, 55.1195

## Achromatopsia

78.2058, 82.2786, 89.6014

## Achromatomaly

78.1784, 82.5779, 75.4370

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 78.9010, 83.4009, 55.1195 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, 234, 180)` looks like.

```
.text, #text, p{  
    color:rgb(255, 234, 180)  
}
```

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, 234, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 234, 180) }
```

## Border

The CSS property to change the border of an element to XYZ 78.9010, 83.4009, 55.1195 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, 234, 180) }
```



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

```
.border{ border-color:rgb(255, 234, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 234, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 234, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 234, 180);  
box-shadow:4px 4px 4px 4px rgb(255, 234,  
180) }
```

# Background

The CSS property to change the background color of an element to XYZ 78.9010, 83.4009, 55.1195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 234, 180) }
```

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

```
.background{ background-color: rgb(255,  
234, 180) }
```

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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