

# Converting Colors

XYZ(74.6517, 79.0148, 41.0245)

Have a look what the booklet for  
XYZ(74.6517, 79.0148, 41.0245)  
contains.

<b>XYZ(74.6509, 79.0138, 41.0224)</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(74.6509, 79.0138,  
41.0224)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE498
RGB	255, 228, 152
RGB Percent	100%, 89%, 60%
CMY	0.0000, 0.1059, 0.4039
CMYK	0.00, 0.11, 0.40, 0.00
HSL	44°, 100%, 80%
HSV	44°, 40%, 100%
XYZ	74.6509, 79.0138, 41.0224
YIQ	227.4090, 40.4880, -17.9120

# Conversions

## Conversions Part 2

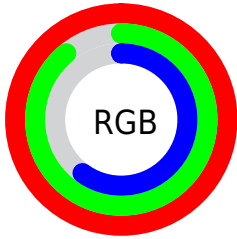
Format	Color
R <sub>Y</sub> B	189, 255, 152
Decimal	16770200
CIE Lab	91.24, -0.92, 40.45
CIE LCh	91, 40.458, 91.308
Yxy	79.0138, 0.3834, 0.4059
Android (android.graphics.Color)	4294960280 (0xFFFFE498)
YUV	227.4090, -37.1766, 24.1973
Hunter-Lab	88.8897, -5.6500, 34.8606

# Details

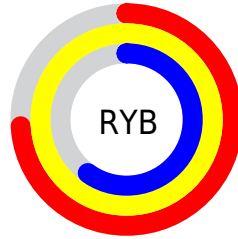
The XYZ color **74.6509, 79.0138, 41.0224** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **47.1185, 46.1341, 101.0290**, and the grayscale version is **73.5549, 77.3855, 84.2728**.

A 20% lighter version of the original color is **88.2625, 97.2850, 73.1574**, and **40.2698, 42.6776, 18.1717** is the 20% darker color. If you saturate the color by 10%, you get **70.9803, 74.6633, 30.5794**, and if you desaturate by 10%, it is **78.8455, 83.6934, 53.8568**.

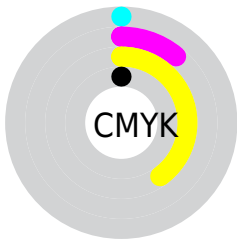
# Distribution



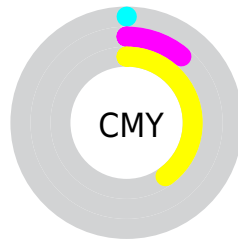
- Red (100%)
- Green (89%)
- Blue (60%)



- Red (74%)
- Yellow (100%)
- Blue (60%)



- Cyan (0%)
- Magenta (11%)
- Yellow (40%)
- Black (0%)




- Cyan (0%)
- Magenta (11%)
- Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.6509, 79.0138, 41.0224 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 74.6509, 79.0138, 41.0224 by changing the saturation by 10% instead.




 74.6509, 79.0138,  
41.0224


 74.6509, 79.0138,  
41.0224


465.7325,  
491.6030, 366.0936

 55.6201, 58.9072,  
28.0168


 124.8086,  
131.9783, 77.9719

 40.1342, 42.5384,  
18.0991


 156.6663,  
165.6049, 102.7529

 27.8279, 29.5231,  
10.8510


193.5302,  
204.5070, 132.2961

 18.3358, 19.4769,  
5.8538

235.7659,  
249.0689, 167.0200

 11.2925, 12.0154,  
2.6891

283.7386,  
299.6751, 207.3431

 6.3326, 6.7541,  
0.9379

337.8137,

 3.0910, 3.3088,

356.7099, 253.6841

0.0000

398.3565,  
420.5578, 306.4614

■ 1.2020, 1.2950,  
0.0000

■ 0.1080, 0.1373,  
0.0000

■ 74.6509, 79.0138,  
41.0224

■ 74.6509, 79.0138,  
41.0224

■ 70.9803, 74.6633,  
30.5794

■ 78.8455, 83.6934,  
53.8568

■ 67.7981, 70.6176,  
22.3697

■ 83.5854, 88.7032,  
69.2174

■ 65.0728, 66.8660,  
16.2238

■ 88.8979, 94.0583,  
87.2345

■ 62.7665, 63.3917,  
11.9456

94.8063, 99.7691,  
108.0284

■ 60.8338, 60.1755, 95.0500, 100.0000,  
9.3006 108.9000

■ 59.2596, 57.2992,  
7.9365

# Harmonies

## Analogous

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



84.9710, 79.0138, 45.3923



74.6509, 79.0138, 41.0224



65.3121, 79.0138, 46.2395

# Triad

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



74.6509, 79.0138, 41.0224



59.4806, 79.0138, 118.8431



93.7607, 79.0138, 116.0943

# Complementary

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



74.6509, 79.0138, 41.0224



47.1185, 46.1341, 101.0290

# 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.



85.8205, 79.0138, 143.8672



74.6509, 79.0138, 41.0224



66.0252, 79.0138, 145.6915

# Square

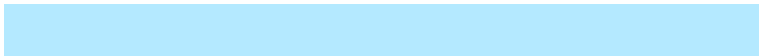
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



74.6509, 79.0138, 41.0224



57.0605, 79.0138, 87.3285



75.5514, 79.0138, 155.7452



96.5901, 79.0138, 84.7496

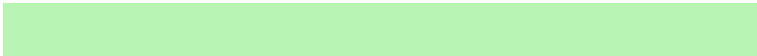


# Rectangle

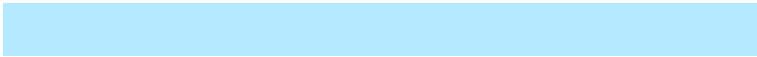
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



74.6509, 79.0138, 41.0224



60.7362, 79.0138, 55.3371



75.5514, 79.0138, 155.7452



91.5672, 79.0138, 126.3865

# Sweetspot

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



74.6529, 79.0175, 41.0240



88.0037, 93.1731, 84.1517



60.6527, 46.9909, 48.7700



18.6834, 19.7905, 17.4874



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

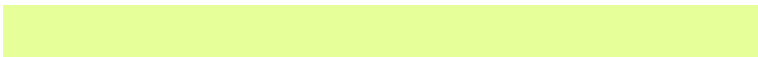
The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.6529, 79.0175, 41.0240



71.8128, 75.6759, 32.8677



74.3720, 90.7705, 43.3074



19.1347, 20.2376, 19.0421



31.0925, 30.1962, 4.1897



3.1163, 3.1181, 0.4376



# Inverse Universe

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



47.1185, 46.1341, 101.0290



41.0570, 38.9684, 99.9655



47.1910, 38.9114, 99.6311



17.3901, 18.1517, 22.8370



10.5774, 6.0643, 50.0476



1.1143, 0.7592, 4.9011



# Previews

## White Background



This preview shows how the XYZ color 74.6509, 79.0138, 41.0224 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 74.6509, 79.0138, 41.0224 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 74.6509, 79.0138, 41.0224**

## **Background**



This preview shows how black text looks on a background with the XYZ color 74.6509, 79.0138, 41.0224.



This preview shows how white text looks on a background with the XYZ color 74.6509, 79.0138,



# 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

74.6509, 79.0138, 41.0224

### Protanopia

73.1135, 79.0333, 41.5384

### Deuteranopia

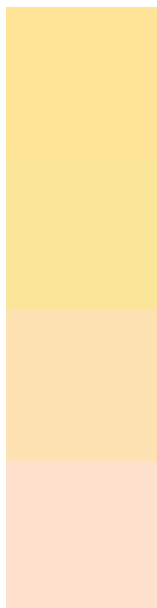
78.0155, 79.0506, 62.7762



## Tritanopia

81.8044, 78.8561, 88.0000

# Trichromacy



## Original Color

74.6509, 79.0138, 41.0224

## Protanomaly

73.5527, 78.8478, 41.4795

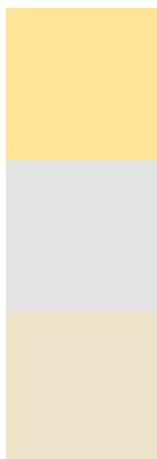
## Deuteranomaly

76.5730, 78.9074, 53.8426

## Tritanomaly

78.7947, 78.9309, 68.2090

# Monochromacy



## Original Color

74.6509, 79.0138, 41.0224

## Achromatopsia

73.0128, 76.8151, 83.6517

## Achromatomaly

72.8195, 77.1128, 65.6898

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.6509, 79.0138, 41.0224 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, 152)` looks like.

```
.text, #text, p{  
    color:rgb(255, 228, 152)  
}
```

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, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 228, 152) }
```

## Border

The CSS property to change the border of an element to XYZ 74.6509, 79.0138, 41.0224 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, 152) }
```



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

```
.border{ border-color:rgb(255, 228, 152) }
```

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, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 228, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 228, 152);  
box-shadow:4px 4px 4px 4px rgb(255, 228,  
152) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.6509, 79.0138, 41.0224 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, 152) }
```

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

```
.background{ background-color: rgb(255,  
228, 152) }
```

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