

# Converting Colors

XYZ(74.2033, 79.6922, 36.0220)

Have a look what the booklet for  
XYZ(74.2033, 79.6922, 36.0220)  
contains.

<b>XYZ(74.1970, 79.7177, 35.9026)</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(74.1970, 79.7177,  
35.9026)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE68B
RGB	255, 230, 139
RGB Percent	100%, 90%, 55%
CMY	0.0000, 0.0980, 0.4549
CMYK	0.00, 0.10, 0.45, 0.00
HSL	47°, 100%, 77%
HSV	47°, 45%, 100%
XYZ	74.1970, 79.7177, 35.9026
YIQ	227.1010, 44.1110, -23.0010

# Conversions

## Conversions Part 2

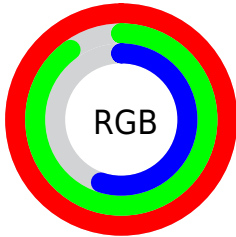
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	171, 255, 139
Decimal	16770699
CIE <sub>Lab</sub>	91.56, -3.23, 47.27
CIE <sub>LCh</sub>	92, 47.384, 93.908
Yxy	79.7177, 0.3909, 0.4200
Android (android.graphics.Color)	4294960779 (0xFFFFE68B)
YUV	227.1010, -43.4338, 24.4674
Hunter-Lab	89.2848, -7.9121, 38.6580

# Details

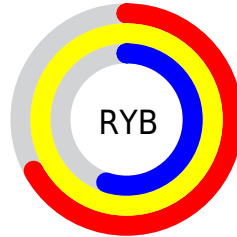
The XYZ color **74.1970, 79.7177, 35.9026** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **41.9726, 39.2586, 99.9729**, and the grayscale version is **73.3725, 77.1936, 84.0638**.

A 20% lighter version of the original color is **86.7376, 96.6750, 65.1275**, and **39.8152, 43.0838, 15.2343** is the 20% darker color. If you saturate the color by 10%, you get **71.0425, 76.0507, 26.7065**, and if you desaturate by 10%, it is **77.8382, 83.6624, 47.4064**.

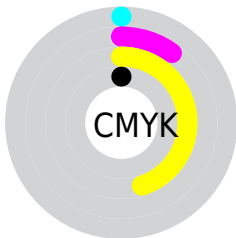
# Distribution



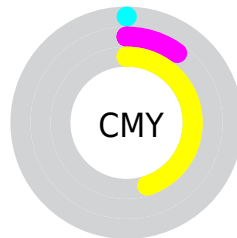
- Red (100%)
- Green (90%)
- Blue (55%)



- Red (67%)
- Yellow (100%)
- Blue (55%)



- Cyan (0%)
- Magenta (10%)
- Yellow (45%)
- Black (0%)




- Cyan (0%)
- Magenta (10%)
- Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.1970, 79.7177, 35.9026 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 74.1970, 79.7177, 35.9026 by changing the saturation by 10% instead.





 74.1970, 79.7177,  
35.9026


 74.1970, 79.7177,  
35.9026


464.1928,  
493.9810, 343.5592


 55.2471, 59.4861,  
24.0699


 124.1690,  
132.9688, 70.0491

 39.8343, 43.0045,  
15.1728


 155.9219,  
166.7570, 93.1999

 27.5930, 29.8887,  
8.7928


 192.6732,  
205.8329, 120.9605

 18.1579, 19.7541,  
4.5113

234.7882,  
250.5808, 153.7494

 11.1638, 12.2164,  
1.9098

282.6323,  
301.3852, 191.9852

 6.2452, 6.8913,  
0.4990

336.5709,

 3.0368, 3.3942,

358.6304, 236.0864

0.0000

396.9693,  
422.7009, 286.4715

■ 1.1733, 1.3408,  
0.0000

■ 0.0851, 0.1725,  
0.0000

■ 74.1970, 79.7177,  
35.9026

■ 74.1970, 79.7177,  
35.9026

■ 71.0425, 76.0507,  
26.7065

■ 77.8382, 83.6624,  
47.4064

■ 68.3377, 72.6370,  
19.6517

■ 81.9883, 87.8855,  
61.3591

■ 66.0494, 69.4657,  
14.5571

■ 86.6752, 92.4019,  
77.8962

■ 64.1369, 66.5196,  
11.2097

■ 91.9228, 97.2216,  
97.1420

■ 62.5495, 63.7779, 95.0499, 99.9999,  
9.3457 108.9000

■ 61.9073, 62.5947,  
8.8191

# Harmonies

## Analogous

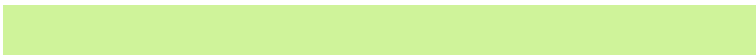
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.4533, 79.7177, 39.7081



74.1970, 79.7177, 35.9026



63.5340, 79.7177, 42.4615

# Triad

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



74.1970, 79.7177, 35.9026



58.0774, 79.7177, 129.4580



98.6074, 79.7177, 119.4739

# Complementary

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



74.1970, 79.7177, 35.9026



41.9726, 39.2586, 99.9729

# 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.



89.4824, 79.7177, 154.5562



74.1970, 79.7177, 35.9026



66.0039, 79.7177, 161.3138

# Square

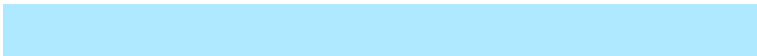
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



74.1970, 79.7177, 35.9026



54.8743, 79.7177, 91.4129



77.3636, 79.7177, 171.5385



101.3910, 79.7177, 82.3431

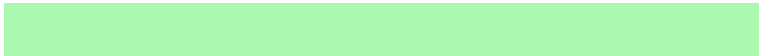


# Rectangle

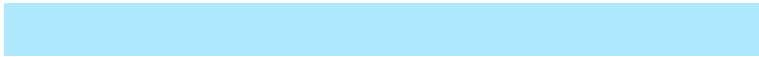
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



74.1970, 79.7177, 35.9026



58.5040, 79.7177, 53.2079



77.3636, 79.7177, 171.5385



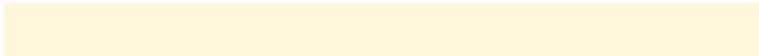
96.1355, 79.7177, 132.1893

# Sweetspot

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



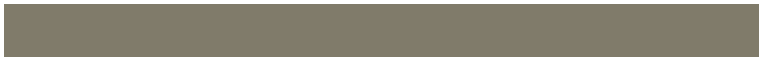
74.1989, 79.7214, 35.9042



87.4207, 93.1003, 80.5877



57.1860, 42.4112, 40.3583



18.4813, 19.7112, 16.4186



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

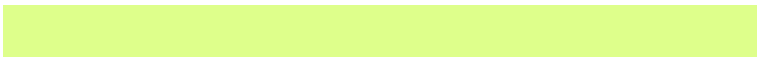
The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.1989, 79.7214, 35.9042



71.1863, 76.2243, 27.1052



70.5855, 88.9347, 37.8730



19.2096, 20.3873, 19.0670



32.4619, 32.9351, 4.6462



3.2393, 3.3640, 0.4786



# Inverse Universe

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



41.9726, 39.2586, 99.9729



35.2080, 31.0891, 98.7529



44.2674, 34.4418, 98.9223



17.3202, 18.0120, 22.8137



10.2316, 5.3729, 49.9324



1.0718, 0.6743, 4.8869



# Previews

## White Background



This preview shows how the XYZ color 74.1970, 79.7177, 35.9026 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

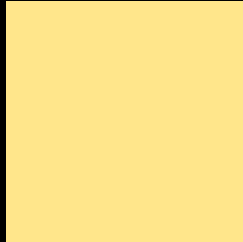
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 74.1970, 79.7177, 35.9026 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 74.1970, 79.7177, 35.9026**

## **Background**



This preview shows how black text looks on a background with the XYZ color 74.1970, 79.7177, 35.9026.



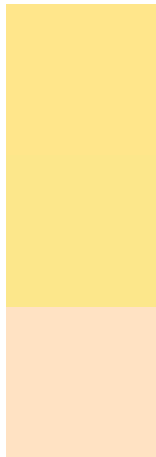
This preview shows how white text looks on a background with the XYZ color 74.1970, 79.7177,



# 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

74.1970, 79.7177, 35.9026

### Protanopia

73.3810, 79.7114, 35.9443

### Deuteranopia

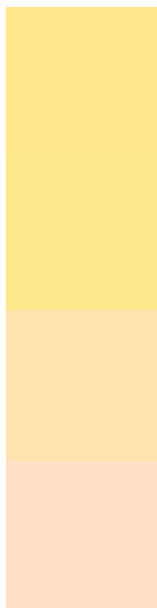
78.2867, 79.5928, 62.8666



## Tritanopia

82.2126, 79.4431, 88.8429

# Trichromacy



## Original Color

74.1970, 79.7177, 35.9026

## Protanomaly

73.7441, 79.8986, 35.9613

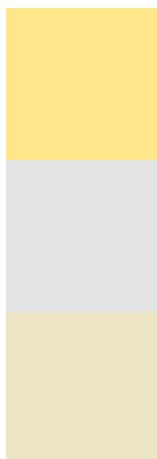
## Deuteranomaly

76.4469, 79.2933, 51.8334

## Tritanomaly

78.4740, 79.2339, 65.1905

# Monochromacy



## Original Color

74.1970, 79.7177, 35.9026

## Achromatopsia

73.0128, 76.8151, 83.6517

## Achromatomaly

72.5188, 77.4315, 62.7534

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.1970, 79.7177, 35.9026 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, 230, 139)` looks like.

```
.text, #text, p{  
    color:rgb(255, 230, 139)  
}
```

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, 230, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 230, 139) }
```

## Border

The CSS property to change the border of an element to XYZ 74.1970, 79.7177, 35.9026 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, 230, 139) }
```



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

```
.border{ border-color:rgb(255, 230, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 230, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 230, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 230, 139);  
box-shadow:4px 4px 4px 4px rgb(255, 230,  
139) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.1970, 79.7177, 35.9026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 230, 139) }
```

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

```
.background{ background-color: rgb(255,  
230, 139) }
```

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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