

# Converting Colors

XYZ(72.2884, 79.7608, 36.7806)

Have a look what the booklet for  
XYZ(72.2884, 79.7608, 36.7806)  
contains.

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# Color

**XYZ(72.3044, 79.9751,  
36.8252)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F7E98D
RGB	247, 233, 141
RGB Percent	97%, 91%, 55%
CMY	0.0314, 0.0862, 0.4470
CMYK	0.00, 0.06, 0.43, 0.03
HSL	52°, 87%, 76%
HSV	52°, 43%, 97%
XYZ	72.3044, 79.9751, 36.8252
YIQ	226.6980, 37.8760, -25.6440

# Conversions

## Conversions Part 2

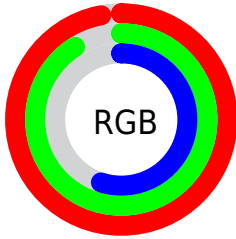
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	157, 247, 141
Decimal	16247181
CIE <sub>Lab</sub>	91.67, -7.68, 46.30
CIE <sub>LCh</sub>	92, 46.931, 99.413
Yxy	79.9751, 0.3824, 0.4229
Android (android.graphics.Color)	4294437261 (0xFFFF7E98D)
YUV	226.6980, -42.2491, 17.8049
Hunter-Lab	89.4288, -12.1807, 38.1856

# Details

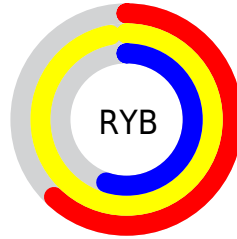
The XYZ color **72.3044, 79.9751, 36.8252** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **39.4941, 35.8197, 92.8278**, and the grayscale version is **73.0739, 76.8794, 83.7217**.

A 20% lighter version of the original color is **86.9638, 96.7655, 66.3187**, and **38.7098, 43.3809, 15.7843** is the 20% darker color. If you saturate the color by 10%, you get **69.7538, 77.4943, 27.8970**, and if you desaturate by 10%, it is **75.2858, 82.6613, 47.9208**.

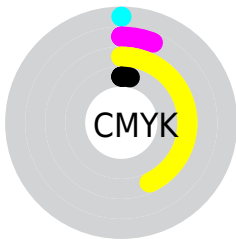
# Distribution



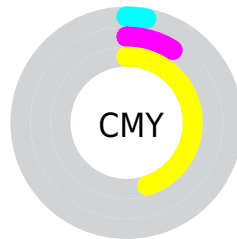
- Red (97%)
- Green (91%)
- Blue (55%)



- Red (62%)
- Yellow (97%)
- Blue (55%)



- Cyan (0%)
- Magenta (6%)
- Yellow (43%)
- Black (3%)



- Cyan (3%)
- Magenta (9%)
- Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.3044, 79.9751, 36.8252 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 72.3044, 79.9751, 36.8252 by changing the saturation by 10% instead.



72.3044, 79.9751,  
36.8252

72.3044, 79.9751,  
36.8252

457.7416,  
494.8489, 347.6990

53.6937, 59.6979,  
24.7775

121.4977,  
133.3307, 71.4872

38.5865, 43.1751,  
15.6938

152.8110,  
167.1779, 94.9385

26.6175, 30.0226,  
9.1558

189.0892,  
206.3172, 123.0281

17.4213, 19.8557,  
4.7447

230.6977,  
251.1330, 156.1745

10.6325, 12.2902,  
2.0422

278.0019,  
302.0096, 194.7962

5.8857, 6.9416,  
0.5810

331.3670,

2.8157, 3.4256,

359.3316, 239.3119

0.0000

391.1584,  
423.4832, 290.1399

■ 1.0571, 1.3578,  
0.0000

■ 0.0000, 0.1853,  
0.0000

■ 72.3044, 79.9751,  
36.8252

■ 72.3044, 79.9751,  
36.8252

■ 69.7538, 77.4943,  
27.8970

■ 75.2858, 82.6613,  
47.9208

■ 67.6005, 75.1967,  
20.9859


■ 78.7174, 85.5521,  
61.3106

■ 65.8155, 73.0734,  
15.9306


■ 82.6241, 88.6605,  
77.1176

■ 64.3628, 71.1099,  
12.5429


■ 87.0274, 91.9954,  
95.4545

 63.1991, 69.2887,  
10.5943

 90.3794, 94.9375,  
108.1690

 62.5036, 68.0659,  
9.8437

 91.3977, 96.9742,  
108.5085

 92.1677, 98.5141,  
108.7651

# Harmonies

## Analogous

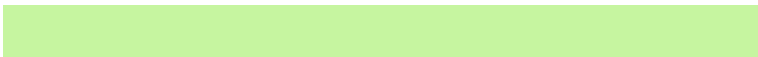
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.4140, 79.9751, 38.7322



72.3044, 79.9751, 36.8252



62.2929, 79.9751, 45.3732

# Triad

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



72.3044, 79.9751, 36.8252



59.5539, 79.9751, 136.0998



99.7091, 79.9751, 112.4263

# Complementary

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



72.3044, 79.9751, 36.8252



39.4941, 35.8197, 92.8278

# 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.



91.6149, 79.9751, 148.7159



72.3044, 79.9751, 36.8252



68.1905, 79.9751, 164.6887

# Square

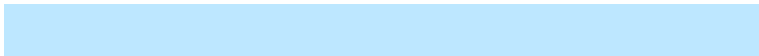
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.3044, 79.9751, 36.8252



55.4587, 79.9751, 98.3335



79.8482, 79.9751, 169.8309



101.1080, 79.9751, 76.7183

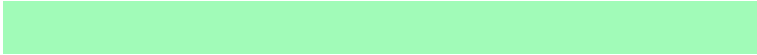


# Rectangle

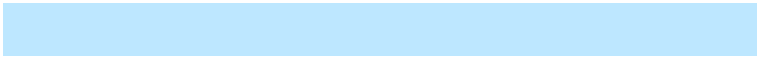
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.3044, 79.9751, 36.8252



57.8406, 79.9751, 57.6122



79.8482, 79.9751, 169.8309



97.6434, 79.9751, 125.1919

# Sweetspot

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



72.3064, 79.9788, 36.8269



88.7845, 95.2854, 82.7144



53.8108, 41.1958, 36.1855



18.7954, 20.2325, 16.8522



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

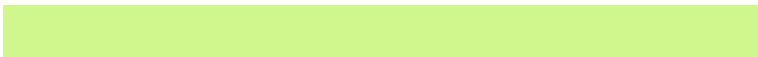
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.3064, 79.9788, 36.8269



75.4639, 83.7903, 31.5811



64.1188, 81.8739, 37.6242



17.7172, 18.9184, 17.5154



33.1318, 36.1492, 5.2313



2.9627, 3.2787, 0.4767



# Inverse Universe

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



39.4941, 35.8197, 92.8278



36.1908, 30.9575, 98.6757



45.1055, 35.4534, 92.4614



15.7575, 16.2793, 20.8543



9.2175, 4.2288, 46.8684

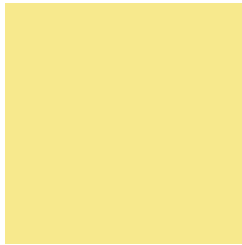


0.8644, 0.4802, 4.1374



# Previews

## White Background



This preview shows how the XYZ color 72.3044, 79.9751, 36.8252 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

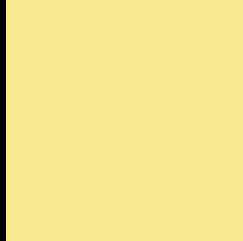
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.3044, 79.9751, 36.8252 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

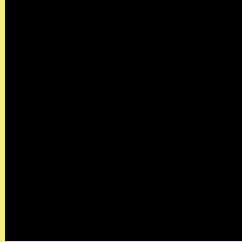
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 72.3044, 79.9751, 36.8252**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.3044, 79.9751, 36.8252.



This preview shows how white text looks on a background with the XYZ color 72.3044, 79.9751,



# 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

72.3044, 79.9751, 36.8252

### Protanopia

73.8176, 79.9279, 36.3480

### Deuteranopia

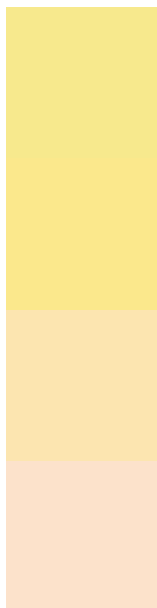
78.4002, 79.6382, 63.4641



## Tritanopia

82.7939, 79.6756, 91.9041

# Trichromacy



## Original Color

72.3044, 79.9751, 36.8252

## Protanomaly

73.3739, 80.1159, 36.4076

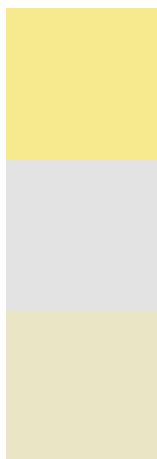
## Deuteranomaly

76.0007, 79.8687, 52.4848

## Tritanomaly

78.1207, 79.4000, 67.7082

# Monochromacy



## Original Color

72.3044, 79.9751, 36.8252

## Achromatopsia

73.0128, 76.8151, 83.6517

## Achromatomaly

71.9148, 77.5166, 63.3964

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.3044, 79.9751, 36.8252 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(247, 233, 141)` looks like.

```
.text, #text, p{  
    color:rgb(247, 233, 141)  
}
```

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(247, 233, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 233, 141) }
```

## Border

The CSS property to change the border of an element to XYZ 72.3044, 79.9751, 36.8252 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(247, 233, 141) }
```



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

```
.border{ border-color:rgb(247, 233, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 233, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 233, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 233, 141);  
box-shadow:4px 4px 4px 4px rgb(247, 233,  
141) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.3044, 79.9751, 36.8252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 233, 141) }
```

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

```
.background{ background-color: rgb(247,  
233, 141) }
```

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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