

# Converting Colors

XYZ(74.1869, 79.9228, 64.6034)

Have a look what the booklet for  
XYZ(74.1869, 79.9228, 64.6034)  
contains.

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# **Color**

**XYZ(74.1946, 79.9216,  
64.3393)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EEE8C5
RGB	238, 232, 197
RGB Percent	93%, 91%, 77%
CMY	0.0667, 0.0902, 0.2274
CMYK	0.00, 0.03, 0.17, 0.07
HSL	51°, 55%, 85%
HSV	51°, 17%, 93%
XYZ	74.1946, 79.9216, 64.3393
YIQ	229.8040, 14.8110, -9.6130

# Conversions

## Conversions Part 2

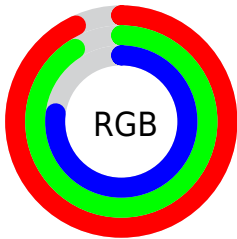
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	204, 238, 197
Decimal	15657157
CIE <sub>Lab</sub>	91.65, -3.63, 17.77
CIE <sub>LCh</sub>	92, 18.140, 101.541
Yxy	79.9216, 0.3396, 0.3658
Android (android.graphics.Color)	4293847237 (0xFFEEE8C5)
YUV	229.8040, -16.1724, 7.1879
Hunter-Lab	89.3989, -8.3060, 19.9089

# Details

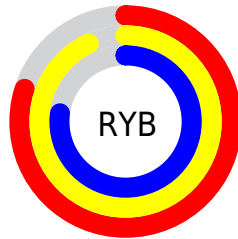
The XYZ color **74.1946, 79.9216, 64.3393** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **59.8144, 60.7541, 89.4637**, and the grayscale version is **75.1788, 79.0940, 86.1333**.

A 20% lighter version of the original color is **94.8894, 99.9358, 108.0543**, and **39.7747, 42.9789, 32.1860** is the 20% darker color. If you saturate the color by 10%, you get **70.7108, 76.9788, 50.7692**, and if you desaturate by 10%, it is **78.1326, 83.0825, 80.1869**.

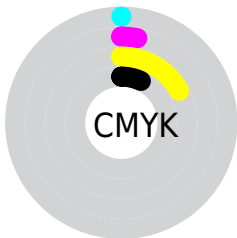
# Distribution



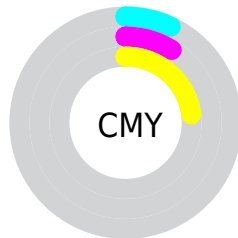
- Red (93%)
- Green (91%)
- Blue (77%)



- Red (80%)
- Yellow (93%)
- Blue (77%)



- Cyan (0%)
- Magenta (3%)
- Yellow (17%)
- Black (7%)



- Cyan (7%)
- Magenta (9%)
- Yellow (23%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.1946, 79.9216, 64.3393 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 74.1946, 79.9216, 64.3393 by changing the saturation by 10% instead.



74.1946, 79.9216,  
64.3393

74.1946, 79.9216,  
64.3393

464.1847,  
494.6686, 458.6549

55.2452, 59.6538,  
46.4776

124.1656,  
133.2555, 112.7036

39.8327, 43.1397,  
32.2715

155.9180,  
167.0904, 144.0433

27.5917, 29.9947,  
21.3024

192.6687,  
206.2165, 180.7127

18.1570, 19.8346,  
13.1518

234.7830,  
251.0182, 223.1304

11.1631, 12.2749,  
7.4012

282.6265,  
301.8799, 271.7150

6.2448, 6.9312,  
3.6320

336.5643,

3.0366, 3.4191,

359.1859, 326.8849

1.4257

396.9619,  
423.3207, 389.0587

■ 1.1731, 1.3542,  
0.1617

■ 0.0850, 0.1826,  
0.0000

■ 74.1946, 79.9216,  
64.3393

■ 74.1946, 79.9216,  
64.3393

■ 70.7108, 76.9788,  
50.7692

■ 78.1326, 83.0825,  
80.1869

■ 67.6547, 74.2352,  
39.3653

■ 82.5375, 86.4587,  
98.4061

■ 65.0065, 71.6855,  
30.0146

■ 85.1953, 89.1675,  
107.3285

■ 62.7422, 69.3198,  
22.5920

■ 86.2435, 91.2640,  
107.6779

■ 60.8355, 67.1275,  
16.9585

■ 87.3116, 93.4002,  
108.0340

■ 59.2562, 65.0963,  
12.9566

■ 88.3997, 95.5762,  
108.3966

■ 57.9691, 63.2120,  
10.4012

■ 89.0702, 96.9173,  
108.6201

■ 56.9285, 61.4560,  
9.0513

■ 56.6633, 60.9836,  
8.7845

# Harmonies

## Analogous

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



78.8191, 79.9216, 64.9931



74.1946, 79.9216, 64.3393



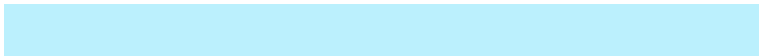
70.2068, 79.9216, 69.2864

# Triad

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



74.1946, 79.9216, 64.3393



69.4880, 79.9216, 105.0617



84.7311, 79.9216, 95.3525

# Complementary

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



74.1946, 79.9216, 64.3393



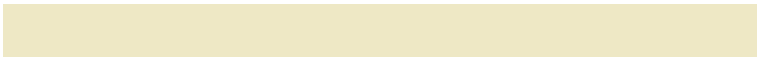
59.8144, 60.7541, 89.4637

# Split Complementary

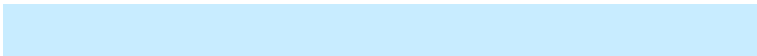
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.0257, 79.9216, 107.5498



74.1946, 79.9216, 64.3393



73.1769, 79.9216, 113.5364

# Square

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



74.1946, 79.9216, 64.3393



67.5642, 79.9216, 92.2261



77.7594, 79.9216, 114.4906



85.0307, 79.9216, 82.0156

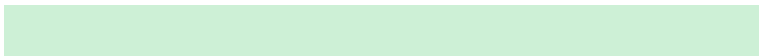


# Rectangle

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



74.1946, 79.9216, 64.3393



68.3967, 79.9216, 75.4197



77.7594, 79.9216, 114.4906



84.0679, 79.9216, 99.7549

# Sweetspot

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



74.1967, 79.9251, 64.3410



92.4727, 98.0221, 98.2477



66.0245, 62.4297, 65.1651



19.7178, 20.9224, 20.7208



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.



74.1967, 79.9251, 64.3410



85.1484, 92.1237, 68.8301



71.2855, 80.9725, 64.6966



16.9145, 18.0420, 16.7407



31.6868, 34.1716, 4.9257



2.6892, 2.9491, 0.4275



# Inverse Universe

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



59.8144, 60.7541, 89.4637



65.1278, 65.4385, 103.8060



62.3642, 60.0074, 89.1852



15.0837, 15.6016, 19.9380



8.9983, 4.2208, 45.4683

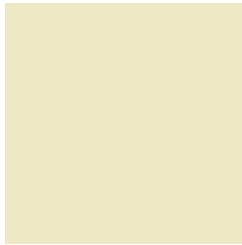


0.8053, 0.4646, 3.8014



# Previews

## White Background



This preview shows how the XYZ color 74.1946, 79.9216, 64.3393 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

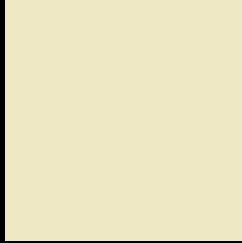
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 74.1946, 79.9216, 64.3393 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

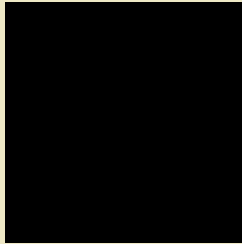
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

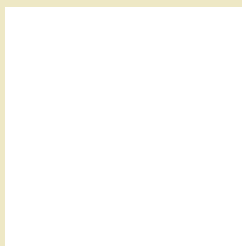
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 74.1946, 79.9216, 64.3393**

## **Background**



This preview shows how black text looks on a background with the XYZ color 74.1946, 79.9216, 64.3393.



This preview shows how white text looks on a background with the XYZ color 74.1946, 79.9216,



# 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

74.1946, 79.9216, 64.3393

### Protanopia

75.2228, 79.6338, 63.6308

### Deuteranopia

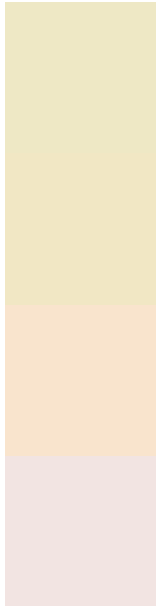
79.6738, 79.7139, 71.5087



## Tritanopia

80.4111, 79.5546, 95.9115

# Trichromacy



## Original Color

74.1946, 79.9216, 64.3393

## Protanomaly

74.8153, 79.8381, 63.6917

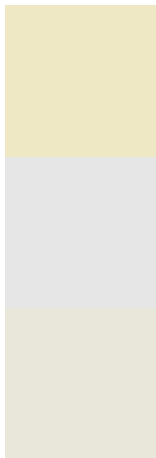
## Deuteranomaly

77.8298, 80.0343, 69.1037

## Tritanomaly

78.0888, 79.8550, 83.2493

# Monochromacy



## Original Color

74.1946, 79.9216, 64.3393

## Achromatopsia

75.2129, 79.1298, 86.1723

## Achromatomaly

74.8351, 79.5374, 77.7377

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.1946, 79.9216, 64.3393 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(238, 232, 197)` looks like.

```
.text, #text, p{  
    color:rgb(238, 232, 197)  
}
```

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(238, 232, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 232, 197) }
```

## Border

The CSS property to change the border of an element to XYZ 74.1946, 79.9216, 64.3393 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(238, 232, 197) }
```



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

```
.border{ border-color:rgb(238, 232, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 232, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 232, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 232, 197);  
box-shadow:4px 4px 4px 4px rgb(238, 232,  
197) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.1946, 79.9216, 64.3393 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 232, 197) }
```

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

```
.background{ background-color: rgb(238,  
232, 197) }
```

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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