

# Converting Colors

XYZ(72.2273, 79.9630, 54.1713)

Have a look what the booklet for  
XYZ(72.2273, 79.9630, 54.1713)  
contains.

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# Color

**XYZ(72.1516, 79.9332,  
54.2737)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ECEAB3
RGB	236, 234, 179
RGB Percent	93%, 92%, 70%
CMY	0.0745, 0.0823, 0.2980
CMYK	0.00, 0.01, 0.24, 0.07
HSL	58°, 60%, 81%
HSV	58°, 24%, 93%
XYZ	72.1516, 79.9332, 54.2737
YIQ	228.3280, 18.8470, -16.6810

# Conversions

## Conversions Part 2

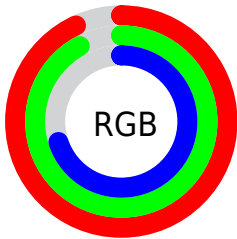
Format	Color
<a href="#">RYB</a>	<a href="#">181, 236, 179</a>
Decimal	<a href="#">15526579</a>
CIELab	<a href="#">91.65, -7.92, 27.04</a>
CIELCh	<a href="#">92, 28.170, 106.321</a>
Yxy	<a href="#">79.9332, 0.3496, 0.3874</a>
Android (android.graphics.Color)	<a href="#">4293716659</a> ( <a href="#">0xFFECEAB3</a> )
YUV	<a href="#">228.3280, -24.3187, 6.7283</a>
Hunter-Lab	<a href="#">89.4054, -12.4070, 26.5917</a>

# Details

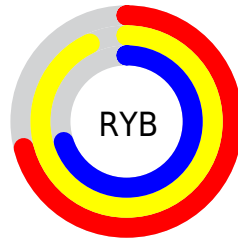
The XYZ color **72.1516, 79.9332, 54.2737** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **50.2545, 48.6865, 86.1060**, and the grayscale version is **74.1476, 78.0091, 84.9519**.

A 20% lighter version of the original color is **91.9954, 98.7782, 92.8147**, and **38.5087, 43.0504, 26.0186** is the 20% darker color. If you saturate the color by 10%, you get **69.7324, 78.5930, 42.6824**, and if you desaturate by 10%, it is **74.9846, 81.4462, 68.0202**.

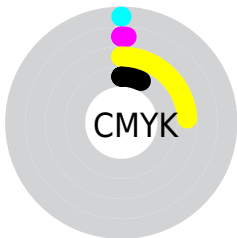
# Distribution



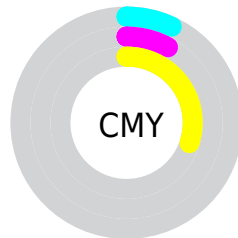
- Red (93%)
- Green (92%)
- Blue (70%)



- Red (71%)
- Yellow (93%)
- Blue (70%)



- Cyan (0%)
- Magenta (1%)
- Yellow (24%)
- Black (7%)



- Cyan (7%)
- Magenta (8%)
- Yellow (30%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.1516, 79.9332, 54.2737 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 72.1516, 79.9332, 54.2737 by changing the saturation by 10% instead.



72.1516, 79.9332,  
54.2737

72.1516, 79.9332,  
54.2737

457.2185,  
494.7077, 420.3569

53.5684, 59.6634,  
38.4259

121.2817,  
133.2718, 97.9364

38.4860, 43.1474,  
26.0090

152.5593,  
167.1094, 126.5884

26.5391, 30.0008,  
16.6045

188.7991,  
206.2384, 160.3455

17.3621, 19.8392,  
9.7940

230.3665,  
251.0431, 199.6263

10.5899, 12.2782,  
5.1588

277.6267,  
301.9080, 244.8493

5.8571, 6.9334,  
2.2803

330.9453,

2.7982, 3.4205,

359.2175, 296.4331

0.7202

390.6874,  
423.3559, 354.7961

■ 1.0480, 1.3550,  
0.0000

■ 0.0000, 0.1832,  
0.0000

■ 72.1516, 79.9332,  
54.2737

■ 72.1516, 79.9332,  
54.2737

■ 69.7324, 78.5930,  
42.6824

■ 74.9846, 81.4462,  
68.0202

■ 67.7000, 77.4064,  
33.1316

■ 78.2444, 83.1290,  
84.0187

■ 66.0339, 76.3682,  
25.5040

■ 81.9514, 84.9923,  
102.3659

■ 64.7090, 75.4681,  
19.6679

■ 83.0160, 85.8006,  
106.7935

63.6972, 74.6951,  
15.4755

83.2561, 86.2807,  
106.8735

62.9660, 74.0360,  
12.7552

83.4973, 86.7630,  
106.9539

62.4756, 73.4750,  
11.2977

83.7395, 87.2476,  
107.0347

62.2648, 73.1781,  
10.8431

83.9829, 87.7343,  
107.1158

84.2274, 88.2233,  
107.1973

# Harmonies

## Analogous

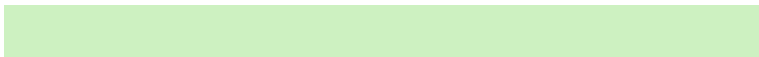
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.2933, 79.9332, 53.9291



72.1516, 79.9332, 54.2737



66.4000, 79.9332, 62.4349

# Triad

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



72.1516, 79.9332, 54.2737



66.8134, 79.9332, 118.9540



90.2270, 79.9332, 96.7448

# Complementary

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



72.1516, 79.9332, 54.2737



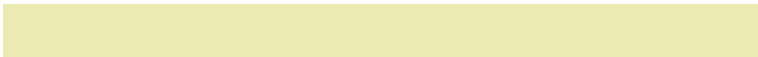
50.2545, 48.6865, 86.1060

# Split Complementary

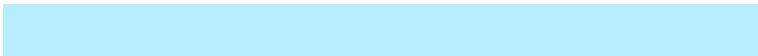
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.4270, 79.9332, 117.3694



72.1516, 79.9332, 54.2737



72.7488, 79.9332, 131.4940

# Square

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



72.1516, 79.9332, 54.2737



63.4537, 79.9332, 98.6517



79.9293, 79.9332, 130.8721



90.0419, 79.9332, 76.3656

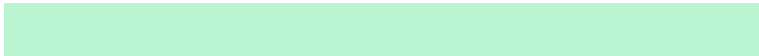


# Rectangle

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



72.1516, 79.9332, 54.2737



63.9937, 79.9332, 72.0695



79.9293, 79.9332, 130.8721



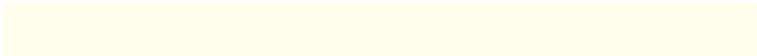
89.3635, 79.9332, 103.9379

# Sweetspot

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



72.1537, 79.9368, 54.2754



92.1091, 98.5053, 94.3945



59.1410, 53.4453, 51.3747



19.6635, 21.0577, 19.9504



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.



72.1537, 79.9368, 54.2754



84.5257, 94.4783, 57.5241



64.8110, 76.9992, 54.0954



16.3041, 17.5313, 16.0433



34.3423, 40.3788, 5.9839



2.7109, 3.1991, 0.4746



# Inverse Universe

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



50.2545, 48.6865, 86.1060



54.1831, 51.1804, 101.6308



56.3417, 51.2268, 86.2755



14.2735, 14.6334, 18.9945



8.4144, 3.4758, 43.9704

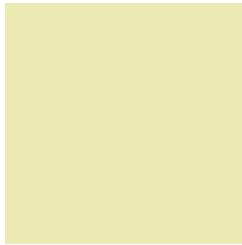


0.6757, 0.3028, 3.4577



# Previews

## White Background



This preview shows how the XYZ color 72.1516, 79.9332, 54.2737 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

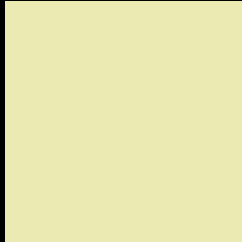
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.1516, 79.9332, 54.2737 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

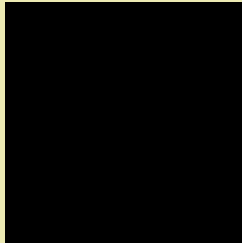
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

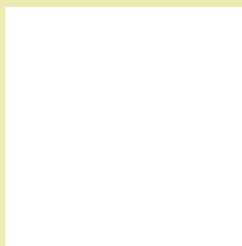
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 72.1516, 79.9332, 54.2737**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.1516, 79.9332, 54.2737.



This preview shows how white text looks on a background with the XYZ color 72.1516, 79.9332,



# 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

72.1516, 79.9332, 54.2737

### Protanopia

74.8695, 80.1003, 53.1098

### Deuteranopia

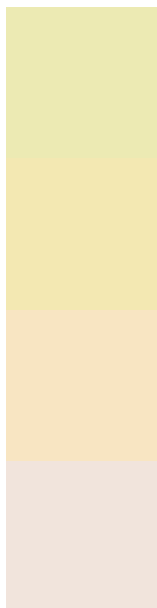
79.2158, 79.9645, 67.7595



## Tritanopia

80.4111, 79.5546, 95.9115

# Trichromacy



## Original Color

72.1516, 79.9332, 54.2737

## Protanomaly

73.8546, 79.9823, 53.6650

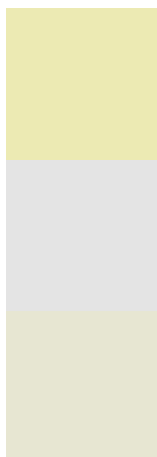
## Deuteranomaly

76.4683, 79.8901, 62.4290

## Tritanomaly

76.9373, 79.3549, 78.9721

# Monochromacy



## Original Color

72.1516, 79.9332, 54.2737

## Achromatopsia

73.7419, 77.5822, 84.4870

## Achromatomaly

72.8847, 78.2357, 72.2323

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.1516, 79.9332, 54.2737 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(236, 234, 179)` looks like.

```
.text, #text, p{  
    color:rgb(236, 234, 179)  
}
```

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(236, 234, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 234, 179) }
```

## Border

The CSS property to change the border of an element to XYZ 72.1516, 79.9332, 54.2737 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(236, 234, 179) }
```



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

```
.border{ border-color:rgb(236, 234, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 234, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 234, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 234, 179);  
box-shadow:4px 4px 4px 4px rgb(236, 234,  
179) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.1516, 79.9332, 54.2737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 234, 179) }
```

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

```
.background{ background-color: rgb(236,  
234, 179) }
```

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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