

# Converting Colors

XYZ(101.7164, 94.6468,  
25.7326)

Have a look what the booklet for  
XYZ(101.7164, 94.6468, 25.7326)  
contains.

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# **Color**

**XYZ(72.2641, 79.3911,  
24.3473)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE767
RGB	255, 231, 103
RGB Percent	100%, 91%, 40%
CMY	0.0000, 0.0941, 0.5961
CMYK	0.00, 0.09, 0.60, 0.00
HSL	51°, 100%, 70%
HSV	51°, 60%, 100%
XYZ	72.2641, 79.3911, 24.3473
YIQ	223.5840, 55.3920, -34.7200

# Conversions

## Conversions Part 2

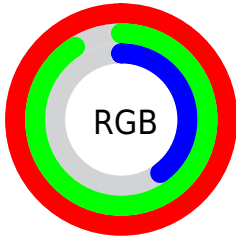
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">132, 255, 103</a>
Decimal	<a href="#">16770919</a>
CIELab	<a href="#">91.41, -6.63, 63.80</a>
CIELCh	<a href="#">91, 64.142, 95.931</a>
Yxy	<a href="#">79.3911, 0.4106, 0.4511</a>
Android (android.graphics.Color)	<a href="#">4294960999 (0xFFFFE767)</a>
YUV	<a href="#">223.5840, -59.4479, 27.5518</a>
Hunter-Lab	<a href="#">89.1017, -11.1592, 46.1700</a>

# Details

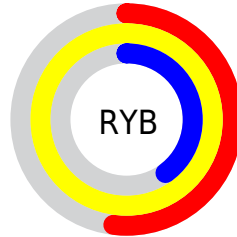
The XYZ color **72.2641, 79.3911, 24.3473** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **31.2328, 25.2816, 97.8409**, and the grayscale version is **70.9395, 74.6338, 81.2762**.

A 20% lighter version of the original color is **83.1716, 95.2486, 46.3490**, and **38.5441, 42.8580, 8.9303** is the 20% darker color. If you saturate the color by 10%, you get **70.0612, 76.7309, 18.2328**, and if you desaturate by 10%, it is **74.8868, 82.2667, 32.5285**.

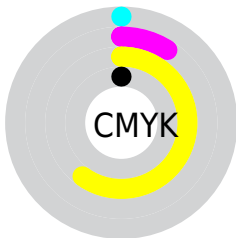
# Distribution



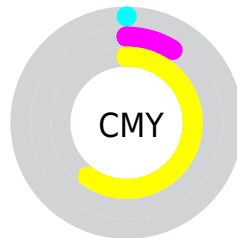
- Red (100%)
- Green (91%)
- Blue (40%)



- Red (52%)
- Yellow (100%)
- Blue (40%)



- Cyan (0%)
- Magenta (9%)
- Yellow (60%)
- Black (0%)



- Cyan (0%)
- Magenta (9%)
- Yellow (60%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.2641, 79.3911, 24.3473 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 72.2641, 79.3911, 24.3473 by changing the saturation by 10% instead.



72.2641, 79.3911,  
24.3473

72.2641, 79.3911,  
24.3473

457.6037,  
492.8784, 287.9145

53.6607, 59.2174,  
15.3769

121.4407,  
132.5093, 51.5473

38.5600, 42.7882,  
8.9348

152.7446,  
166.2226, 70.6139

26.5968, 29.7189,  
4.6024

189.0127,  
205.2180, 93.8830

17.4057, 19.6254,  
1.9613

230.6104,  
249.8797, 121.7731

10.6212, 12.1230,  
0.5313

277.9029,  
300.5922, 154.7028

5.8782, 6.8275,  
0.0000

331.2558,

2.8111, 3.3545,

357.7399, 193.0905

0.0000

391.0342,  
421.7072, 237.3550

■ 1.0547, 1.3195,  
0.0000

■ 0.0000, 0.1562,  
0.0000

■ 72.2641, 79.3911,  
24.3473

■ 72.2641, 79.3911,  
24.3473

■ 70.0612, 76.7309,  
18.2328

■ 74.8868, 82.2667,  
32.5285

■ 68.2357, 74.2599,  
13.9865

■ 77.9561, 85.3596,  
42.9408

■ 66.7455, 71.9639,  
11.3796

■ 81.5028, 88.6855,  
55.7378

■ 65.5218, 69.8151,  
10.0511

■ 85.5533, 92.2552,  
71.0578

■ 65.4760, 69.7322,  
10.0087

■ 90.1322, 96.0787,  
89.0288

95.0498, 99.9999,  
108.9000

# Harmonies

## Analogous

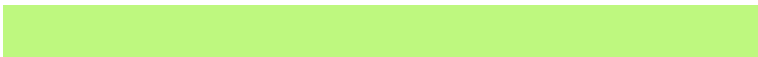
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.9858, 79.3911, 27.6338



72.2641, 79.3911, 24.3473



58.5105, 79.3911, 32.2044

# Triad

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



72.2641, 79.3911, 24.3473



52.8062, 79.3911, 150.5897



107.8698, 79.3911, 128.4926

# Complementary

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



72.2641, 79.3911, 24.3473



31.2328, 25.2816, 97.8409

# 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.



95.3997, 79.3911, 181.4761



72.2641, 79.3911, 24.3473



63.3773, 79.3911, 197.1234

# Square

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



72.2641, 79.3911, 24.3473



48.3654, 79.3911, 96.0614



78.7464, 79.3911, 210.0941



111.1496, 79.3911, 77.4899



# Rectangle

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



72.2641, 79.3911, 24.3473



52.3466, 79.3911, 45.2586



78.7464, 79.3911, 210.0941



104.5342, 79.3911, 147.1530

# Sweetspot

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



72.2660, 79.3948, 24.3489



86.2530, 92.8524, 73.7628



50.0089, 32.5286, 24.1813



18.1927, 19.6439, 14.7503



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.



72.2660, 79.3948, 24.3489



69.5916, 76.1229, 17.0541



63.2018, 85.3836, 25.9826



19.3027, 20.5735, 19.0981



34.3043, 36.6199, 5.2603



3.4028, 3.6909, 0.5331



# Inverse Universe

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



31.2328, 25.2816, 97.8409



25.2718, 17.7625, 96.7043



36.1641, 23.7588, 97.2871



17.2345, 17.8406, 22.7852



9.9006, 4.7108, 49.8220



1.0275, 0.5858, 4.8722



# Previews

## White Background



This preview shows how the XYZ color 72.2641, 79.3911, 24.3473 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 72.2641, 79.3911, 24.3473 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 72.2641, 79.3911, 24.3473**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.2641, 79.3911, 24.3473.



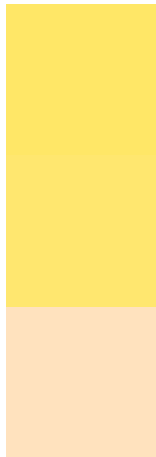
This preview shows how white text looks on a background with the XYZ color 72.2641, 79.3911,



# 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

72.2641, 79.3911, 24.3473

### Protanopia

72.6852, 79.5595, 26.5645

### Deuteranopia

77.7306, 79.3704, 59.9384



## Tritanopia

82.0693, 79.3857, 88.0883

# Trichromacy



## Original Color

72.2641, 79.3911, 24.3473

## Protanomaly

72.5227, 79.4945, 25.7090

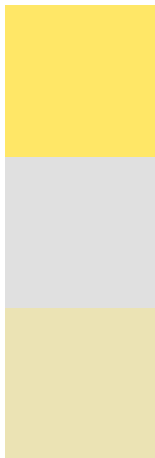
## Deuteranomaly

75.1550, 79.2154, 43.6768

## Tritanomaly

77.0281, 78.6556, 57.5766

# Monochromacy



## Original Color

72.2641, 79.3911, 24.3473

## Achromatopsia

70.8507, 74.5404, 81.1745

## Achromatomaly

69.9683, 75.8956, 54.1416

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.2641, 79.3911, 24.3473 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, 231, 103)` looks like.

```
.text, #text, p{  
    color:rgb(255, 231, 103)  
}
```

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, 231, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 231, 103) }
```

## Border

The CSS property to change the border of an element to XYZ 72.2641, 79.3911, 24.3473 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, 231, 103) }
```



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

```
.border{ border-color:rgb(255, 231, 103) }
```

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

Here you see how a box with a 4 pixel rgb(255, 231, 103) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 231, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 231, 103);  
box-shadow:4px 4px 4px 4px rgb(255, 231,  
103) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.2641, 79.3911, 24.3473 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 231, 103) }
```

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

```
.background{ background-color: rgb(255,  
231, 103) }
```

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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