

# Converting Colors

XYZ(70.0034, 76.1820, 42.0254)

Have a look what the booklet for XYZ(70.0034, 76.1820, 42.0254) contains.

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# Color

**XYZ(70.0034, 76.1820,  
42.0254)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F2E39B
RGB	242, 227, 155
RGB Percent	95%, 89%, 61%
CMY	0.0510, 0.1098, 0.3921
CMYK	0.00, 0.06, 0.36, 0.05
HSL	50°, 77%, 78%
HSV	50°, 36%, 95%
XYZ	70.0034, 76.1820, 42.0254
YIQ	223.2770, 32.0520, -19.2120

# Conversions

## Conversions Part 2

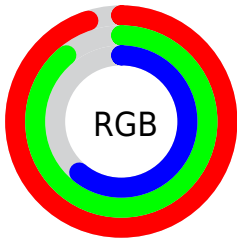
Format	Color
<a href="#">RYB</a>	<a href="#">173, 242, 155</a>
Decimal	<a href="#">15917979</a>
CIELab	<a href="#">89.94, -5.11, 37.04</a>
CIELCh	<a href="#">90, 37.395, 97.859</a>
Yxy	<a href="#">76.1820, 0.3719, 0.4048</a>
Android (android.graphics.Color)	<a href="#">4294108059 (0xFFFF2E39B)</a>
YUV	<a href="#">223.2770, -33.6606, 16.4201</a>
Hunter-Lab	<a href="#">87.2823, -9.5809, 32.5502</a>

# Details

The XYZ color **70.0034, 76.1820, 42.0254** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **43.9190, 42.1275, 89.8209**, and the grayscale version is **70.5538, 74.2281, 80.8344**.

A 20% lighter version of the original color is **88.6329, 97.4331, 75.1078**, and **37.2083, 40.7986, 18.7458** is the 20% darker color. If you saturate the color by 10%, you get **67.0450, 73.1981, 31.9976**, and if you desaturate by 10%, it is **73.4006, 79.3911, 54.2106**.

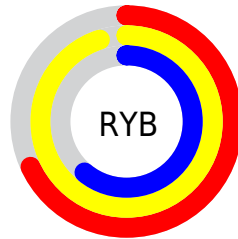
# Distribution



Red (95%)

Green (89%)

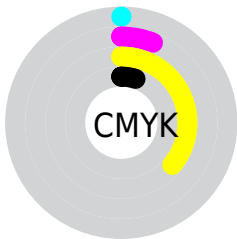
Blue (61%)



Red (68%)

Yellow (95%)

Blue (61%)

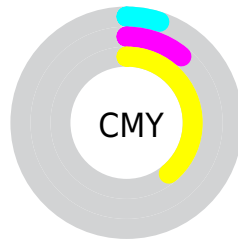


Cyan (0%)

Magenta (6%)

Yellow (36%)

Black (5%)



Cyan (5%)

Magenta (11%)

Yellow (39%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 70.0034, 76.1820, 42.0254 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 70.0034, 76.1820, 42.0254 by changing the saturation by 10% instead.



70.0034, 76.1820,  
42.0254

70.0034, 76.1820,  
42.0254

449.8282,  
481.9705, 370.3910

51.8089, 56.5818,  
28.7955

118.2398,  
127.9841, 79.5086

37.0764, 40.6695,  
18.6819

149.0125,  
160.9548, 104.5989

25.4406, 28.0610,  
11.2662

184.7086,  
199.1511, 134.4797

16.5361, 18.3716,  
6.1297

225.6935,  
242.9574, 169.5697

9.9976, 11.2171,  
2.8541

272.3326,  
292.7581, 210.2872

5.4596, 6.2131,  
1.0206

324.9911,

2.5569, 2.9751,

348.9376, 257.0509

0.0000

384.0345,  
411.8802, 310.2793

■ 0.9240, 1.1187,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 70.0034, 76.1820,  
42.0254

■ 70.0034, 76.1820,  
42.0254

■ 67.0450, 73.1981,  
31.9976

■ 73.4006, 79.3911,  
54.2106

■ 64.4950, 70.4187,  
23.9934

■ 77.2534, 82.8242,  
68.6666

■ 62.3281, 67.8362,  
17.8718

■ 81.5849, 86.4936,  
85.5046

■ 60.5133, 65.4378,  
13.4714

■ 86.4145, 90.4075,  
104.8271

■ 59.0147, 63.2089,  
10.6037

■ 88.1923, 93.1459,  
107.9385

■ 57.7879, 61.1313,  
9.0353

■ 89.4879, 95.7373,  
108.3704

■ 57.3400, 60.3214,  
8.6211

■ 90.4279, 97.6172,  
108.6837

# Harmonies

## Analogous

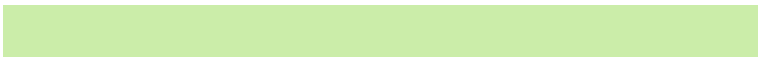
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.3219, 76.1820, 44.1433



70.0034, 76.1820, 42.0254



62.0309, 76.1820, 48.8780

# Triad

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



70.0034, 76.1820, 42.0254



59.2527, 76.1820, 118.3086



90.1670, 76.1820, 103.6691

# Complementary

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



70.0034, 76.1820, 42.0254



43.9190, 42.1275, 89.8209

# 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.



83.8839, 76.1820, 130.0231



70.0034, 76.1820, 42.0254



65.9093, 76.1820, 139.6518

# Square

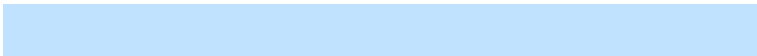
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.0034, 76.1820, 42.0254



56.1780, 76.1820, 90.1124



74.8685, 76.1820, 144.3425



91.4983, 76.1820, 76.1761

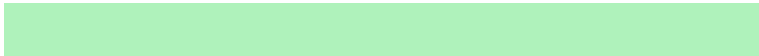


# Rectangle

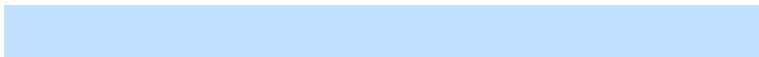
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.0034, 76.1820, 42.0254



58.3666, 76.1820, 58.6911



74.8685, 76.1820, 144.3425



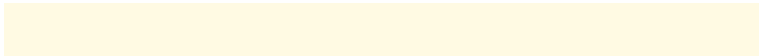
88.5397, 76.1820, 113.1111

# Sweetspot

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



70.0053, 76.1855, 42.0270



89.3354, 95.2776, 86.3188



55.6857, 45.2591, 44.3050



18.9807, 20.2737, 17.9301



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

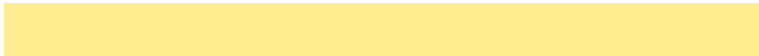


# Same Dimension

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



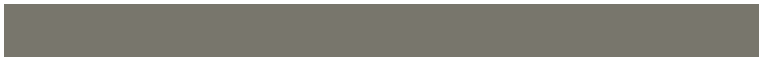
70.0053, 76.1855, 42.0270



76.4028, 83.3651, 38.9940



65.5319, 80.2348, 43.0444



16.8776, 17.9683, 16.7284



30.8928, 32.5837, 4.6611



2.6304, 2.8315, 0.4079



# Inverse Universe

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



43.9190, 42.1275, 89.8209



43.1086, 39.9112, 100.0393



47.1707, 39.8666, 89.2131



15.1174, 15.6690, 19.9493



9.1168, 4.4578, 45.5078

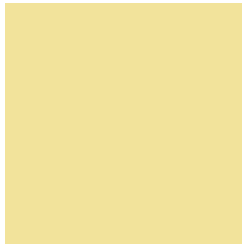


0.8212, 0.4964, 3.8067



# Previews

## White Background



This preview shows how the XYZ color 70.0034, 76.1820, 42.0254 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

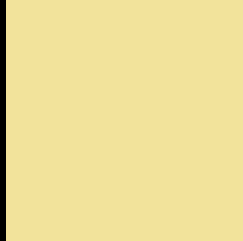
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 70.0034, 76.1820, 42.0254 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

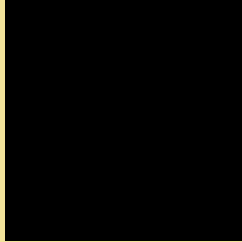
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 70.0034, 76.1820, 42.0254**

## **Background**



This preview shows how black text looks on a background with the XYZ color 70.0034, 76.1820, 42.0254.



This preview shows how white text looks on a background with the XYZ color 70.0034, 76.1820,



# 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

70.0034, 76.1820, 42.0254

### Protanopia

70.7689, 76.1717, 41.9830

### Deuteranopia

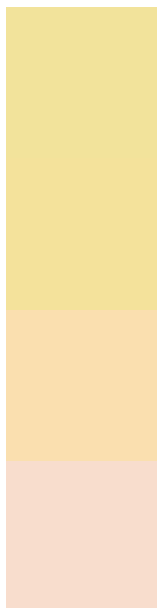
75.6961, 75.9916, 57.1326



## Tritanopia

79.4478, 76.0755, 88.3386

# Trichromacy



## Original Color

70.0034, 76.1820, 42.0254

## Protanomaly

70.4210, 75.9924, 41.9668

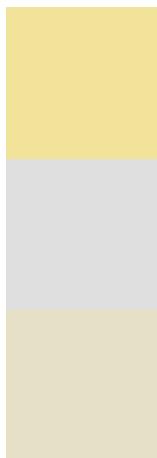
## Deuteranomaly

73.5499, 76.1945, 51.3880

## Tritanomaly

75.5873, 76.0771, 68.4581

# Monochromacy



## Original Color

70.0034, 76.1820, 42.0254

## Achromatopsia

70.1384, 73.7910, 80.3584

## Achromatomaly

69.4818, 74.2115, 64.0883

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 70.0034, 76.1820, 42.0254 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(242, 227, 155)` looks like.

```
.text, #text, p{  
    color:rgb(242, 227, 155)  
}
```

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(242, 227, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 227, 155) }
```

## Border

The CSS property to change the border of an element to XYZ 70.0034, 76.1820, 42.0254 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(242, 227, 155) }
```



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

```
.border{ border-color:rgb(242, 227, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 227, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(242, 227, 155); -webkit-box-shadow:4px 4px 4px 4px rgb(242, 227, 155); box-shadow:4px 4px 4px 4px rgb(242, 227, 155) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.0034, 76.1820, 42.0254 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 227, 155) }
```

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

```
.background{ background-color: rgb(242,  
227, 155) }
```

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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