

# Converting Colors

XYZ(40.2534, 70.8719, 19.1475)

Have a look what the booklet for  
XYZ(40.2534, 70.8719, 19.1475)  
contains.

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# Color

**XYZ(40.2534, 70.8719,  
19.1475)**

# Conversions

## Conversions Part 1

Format	Color
Hex	61F950
RGB	97, 249, 80
RGB Percent	38%, 98%, 31%
CMY	0.6196, 0.0235, 0.6863
CMYK	0.61, 0.00, 0.68, 0.02
HSL	114°, 93%, 65%
HSV	114°, 68%, 98%
XYZ	40.2534, 70.8719, 19.1475
YIQ	184.2860, -36.3430, -84.7830

# Conversions

## Conversions Part 2

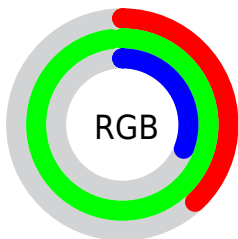
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	80, 249, 232
Decimal	6420816
CIE <sub>Lab</sub>	87.42, -70.30, 66.26
CIE <sub>LCh</sub>	87, 96.611, 136.694
Yxy	70.8719, 0.3090, 0.5440
Android (android.graphics.Color)	4284610896 (0xFF61F950)
YUV	184.2860, -51.4130, -76.5498
Hunter-Lab	84.1855, -61.9745, 45.4446

# Details

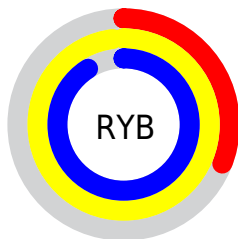
The XYZ color **40.2534, 70.8719, 19.1475** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle muted chartreuse. A complement of this color would be **53.2506, 29.7355, 92.5592**, and the grayscale version is **46.0098, 48.4059, 52.7141**.

A 20% lighter version of the original color is **55.1756, 81.0075, 36.3949**, and **18.6582, 37.2726, 6.3545** is the 20% darker color. If you saturate the color by 10%, you get **37.4400, 69.5110, 15.0713**, and if you desaturate by 10%, it is **44.0844, 72.7223, 25.0526**.

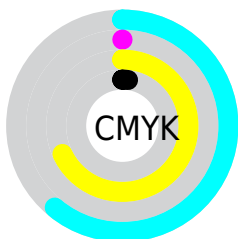
# Distribution



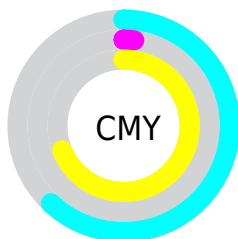
- Red (38%)
- Green (98%)
- Blue (31%)



- Red (31%)
- Yellow (98%)
- Blue (91%)



- Cyan (61%)
- Magenta (0%)
- Yellow (68%)
- Black (2%)




- Cyan (62%)
- Magenta (2%)
- Yellow (69%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 40.2534, 70.8719, 19.1475 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 40.2534, 70.8719, 19.1475 by changing the saturation by 10% instead.




 40.2534, 70.8719,  
19.1475


 40.2534, 70.8719,  
19.1475


338.3066,  
463.6055, 259.7116

 27.9213, 52.2377,  
11.5990


 74.8311, 120.4513,  
42.8232


 18.4065, 37.1945,  
6.3521


 97.8074, 152.1653,  
59.7875

 11.3437, 25.3582,  
2.9881


 125.0625,  
189.0079, 80.7275

 6.3675, 16.3441,  
1.0886

 156.9616,  
231.3637, 106.0617

 3.1126, 9.7680,  
0.0000

193.8703,  
279.6169, 136.2087

 1.2136, 5.2454,  
0.0000

236.1537,

 0.1170, 2.3919,

334.1520, 171.5870

0.0000

284.1774,  
395.3534, 212.6151

0.0000, 0.8217,  
0.0000

0.0000, 0.0000,  
0.0000

40.2534, 70.8719,  
19.1475

40.2534, 70.8719,  
19.1475

37.4400, 69.5110,  
15.0713

44.0844, 72.7223,  
25.0526

35.5409, 68.5846,  
12.6070


49.0133, 75.0932,  
32.9623


34.4361, 68.0390,  
11.4702


55.1179, 78.0236,  
43.0366


34.2790, 67.9614,  
11.3112

62.4678, 81.5462,  
55.4183

 71.1268, 85.6910,  
70.2380

 81.1546, 90.4863,  
87.6164

 92.6070, 95.9583,  
107.6664

 93.1671, 96.2342,  
108.2724

# Harmonies

## Analogous

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



55.5478, 70.8719, 8.5896



40.2534, 70.8719, 19.1475



33.0984, 70.8719, 51.7503

# Triad

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



40.2534, 70.8719, 19.1475



57.7765, 70.8719, 274.8948



118.6219, 70.8719, 46.4538

# Complementary

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



40.2534, 70.8719, 19.1475



53.2506, 29.7355, 92.5592

# 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.



119.6020, 70.8719, 109.7837



40.2534, 70.8719, 19.1475



80.7419, 70.8719, 270.4420

# Square

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



40.2534, 70.8719, 19.1475



41.5665, 70.8719, 209.1567



104.5221, 70.8719, 199.1272



102.0871, 70.8719, 17.1506



# Rectangle

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



40.2534, 70.8719, 19.1475



32.5552, 70.8719, 92.7312



104.5221, 70.8719, 199.1272



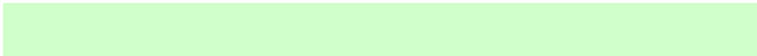
120.8927, 70.8719, 63.4505

# Sweetspot

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



40.2551, 70.8749, 19.1491



72.9900, 89.4537, 70.5461



68.6158, 76.9180, 18.8207



15.0601, 18.8774, 14.1348



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.



40.2551, 70.8749, 19.1491



38.7728, 73.0104, 14.8941



42.2804, 71.4977, 38.2747



17.1793, 19.3927, 18.3001



18.4012, 36.4045, 6.0569



1.7565, 3.3986, 0.5634



# Inverse Universe

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



53.2506, 29.7355, 92.5592



53.1324, 26.9021, 97.0000



50.6126, 29.3487, 48.4666



17.8109, 17.4307, 21.8110



25.6708, 12.1764, 48.9708

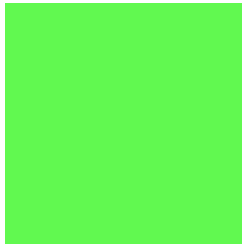


2.4258, 1.1526, 4.5378



# Previews

## White Background



This preview shows how the XYZ color 40.2534, 70.8719, 19.1475 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 40.2534, 70.8719, 19.1475 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

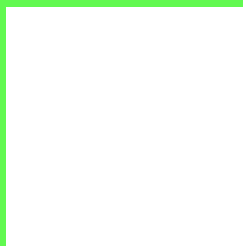
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 40.2534, 70.8719, 19.1475**

## **Background**



This preview shows how black text looks on a background with the XYZ color 40.2534, 70.8719, 19.1475.



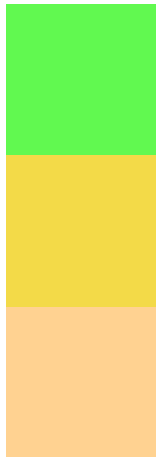
This preview shows how white text looks on a background with the XYZ color 40.2534, 70.8719,



# 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

40.2534, 70.8719, 19.1475

### Protanopia

63.2033, 69.6654, 16.2465

### Deuteranopia

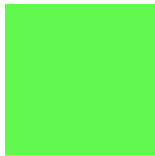
69.3974, 69.3975, 36.5255



## Tritanopia

56.7048, 70.4771, 101.8816

# Trichromacy



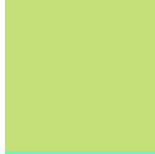
## Original Color

40.2534, 70.8719, 19.1475



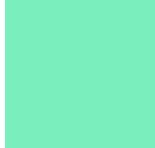
## Protanomaly

50.5245, 67.4938, 17.0213



## Deuteranomaly

53.3955, 66.6976, 28.1488



## Tritanomaly

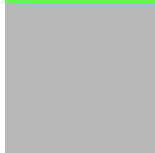
48.0778, 69.5447, 59.0336

# Monochromacy



## Original Color

40.2534, 70.8719, 19.1475



## Achromatopsia

45.5594, 47.9320, 52.1980



## Achromatomaly

40.6931, 53.8625, 35.4459

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 40.2534, 70.8719, 19.1475 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(97, 249, 80)` looks like.

```
.text, #text, p{  
    color:rgb(97, 249, 80)  
}
```

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(97, 249, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 249, 80) }
```

## Border

The CSS property to change the border of an element to XYZ 40.2534, 70.8719, 19.1475 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(97, 249, 80) }
```



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

```
.border{ border-color:rgb(97, 249, 80) }
```

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

Here you see how a box with a 4 pixel rgb(97, 249, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 249, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 249, 80);  
box-shadow:4px 4px 4px 4px rgb(97, 249,  
80) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.2534, 70.8719, 19.1475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 249, 80) }
```

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

```
.background{ background-color: rgb(97, 249,  
80) }
```

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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