

# Converting Colors

XYZ(40.9329, 64.1789, 30.0687)

Have a look what the booklet for  
XYZ(40.9329, 64.1789, 30.0687)  
contains.

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# Color

**XYZ(41.0739, 64.4169,  
30.0076)**

# Conversions

## Conversions Part 1

Format	Color
Hex	79EA7E
RGB	121, 234, 126
RGB Percent	47%, 92%, 49%
CMY	0.5255, 0.0823, 0.5059
CMYK	0.48, 0.00, 0.46, 0.08
HSL	123°, 73%, 70%
HSV	123°, 48%, 92%
XYZ	41.0739, 64.4169, 30.0076
YIQ	187.9010, -32.6800, -57.5440

# Conversions

## Conversions Part 2

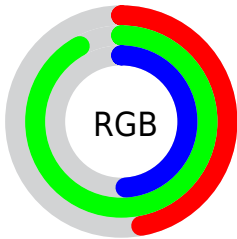
<b>Format</b>	<b>Color</b>
<b>RYB</b>	121, 229, 234
Decimal	7989886
CIELab	84.18, -53.80, 42.58
CIElCh	84, 68.610, 141.644
Yxy	64.4169, 0.3031, 0.4754
Android (android.graphics.Color)	4286179966 (0xFF79EA7E)
YUV	187.9010, -30.5172, -58.6722
Hunter-Lab	80.2601, -49.1061, 34.0148

# Details

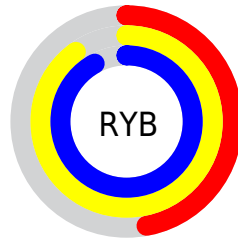
The XYZ color **41.0739, 64.4169, 30.0076** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **54.9139, 36.8255, 78.3444**, and the grayscale version is **47.9263, 50.4222, 54.9097**.

A 20% lighter version of the original color is **62.5886, 84.3990, 56.1719**, and **18.8217, 32.8994, 11.8368** is the 20% darker color. If you saturate the color by 10%, you get **36.8985, 62.4148, 23.1031**, and if you desaturate by 10%, it is **46.3704, 66.9634, 38.6511**.

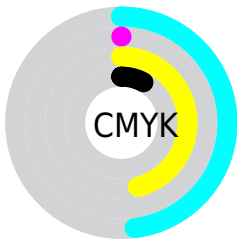
# Distribution



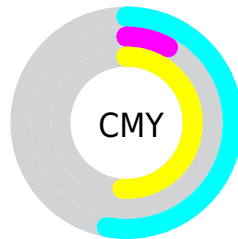
- Red (47%)
- Green (92%)
- Blue (49%)



- Red (47%)
- Yellow (90%)
- Blue (92%)



- Cyan (48%)
- Magenta (0%)
- Yellow (46%)
- Black (8%)



- Cyan (53%)
- Magenta (8%)
- Yellow (51%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.0739, 64.4169, 30.0076 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 41.0739, 64.4169, 30.0076 by changing the saturation by 10% instead.



41.0739, 64.4169,  
30.0076

41.0739, 64.4169,  
30.0076

341.6867,  
440.6936, 316.1483

28.5648, 46.9884,  
19.5923

76.0701, 111.2111,  
60.7353

18.8944, 33.0265,  
11.9179

99.2878, 141.3457,  
81.8848

11.6976, 22.1467,  
6.5659

126.8058,  
176.4843, 107.4494

6.6088, 13.9648,  
3.1178

158.9893,  
217.0115, 137.8477

3.2628, 8.0962,  
1.1551

196.2039,  
263.3117, 173.4982

1.2942, 4.1565,  
0.0000

238.8147,

0.1789, 1.7615,

315.7691, 214.8194

0.0000

287.1872,  
374.7683, 262.2299

0.0000, 0.4630,  
0.0000

0.0000, 0.0000,  
0.0000

41.0739, 64.4169,  
30.0076

41.0739, 64.4169,  
30.0076

36.8985, 62.4148,  
23.1031

46.3704, 66.9634,  
38.6511

33.7591, 60.9101,  
17.8161


52.8556, 70.0813,  
49.1358


31.5663, 59.8616,  
14.0160


60.5974, 73.8054,  
61.5610


30.2135, 59.2173,  
11.5507

69.6572, 78.1652,  
76.0176

 29.5546, 58.9061,  
10.2342

 80.0923, 83.1887,  
92.5911

 29.4808, 58.8708,  
10.1069

 88.7141, 87.3281,  
106.7880

# Harmonies

## Analogous

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



51.0804, 64.4169, 17.6043



41.0739, 64.4169, 30.0076



36.6532, 64.4169, 58.6811

# Triad

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



41.0739, 64.4169, 30.0076



57.0826, 64.4169, 189.5886



92.5559, 64.4169, 43.6067

# Complementary

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



41.0739, 64.4169, 30.0076



54.9139, 36.8255, 78.3444

# 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.



94.8775, 64.4169, 82.9991



41.0739, 64.4169, 30.0076



72.6339, 64.4169, 180.0395

# Square

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



41.0739, 64.4169, 30.0076



44.8434, 64.4169, 158.2163



87.0816, 64.4169, 135.8388



81.1804, 64.4169, 22.8927



# Rectangle

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



41.0739, 64.4169, 30.0076



36.8602, 64.4169, 88.3976



87.0816, 64.4169, 135.8388



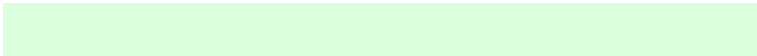
94.4885, 64.4169, 54.5856

# Sweetspot

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



41.0755, 64.4196, 30.0090



78.0989, 91.8407, 81.9337



65.5848, 77.0910, 29.5130



16.2197, 19.4187, 16.7438



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.



41.0755, 64.4196, 30.0090



44.8526, 75.8589, 28.0925



45.6776, 66.2604, 54.2433



14.8953, 16.8730, 16.1317



16.5779, 33.0856, 5.7425



1.3113, 2.6018, 0.5012



# Inverse Universe

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



54.9139, 36.8255, 78.3444



63.5219, 38.6018, 93.2793



48.3849, 34.2139, 43.9634



15.6843, 15.3016, 18.8890



26.6141, 12.8483, 40.6309



2.0988, 1.0125, 3.2376



# Previews

## White Background



This preview shows how the XYZ color 41.0739, 64.4169, 30.0076 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 41.0739, 64.4169, 30.0076 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

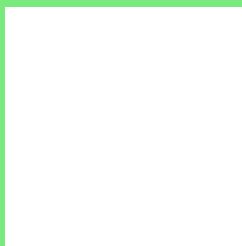
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 41.0739, 64.4169, 30.0076**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.0739, 64.4169, 30.0076.



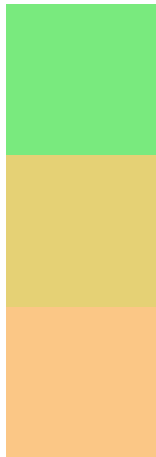
This preview shows how white text looks on a background with the XYZ color 41.0739, 64.4169,



# 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

41.0739, 64.4169, 30.0076

### Protanopia

58.3244, 63.5433, 26.0207

### Deuteranopia

64.5102, 63.0773, 31.3293



## Tritanopia

53.1135, 63.9646, 91.2084

# Trichromacy



## Original Color

41.0739, 64.4169, 30.0076



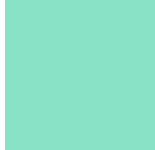
## Protanomaly

49.6968, 62.4460, 27.2033



## Deuteranomaly

52.5421, 61.5630, 30.5863



## Tritanomaly

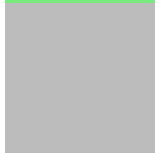
47.5427, 63.7042, 63.2164

# Monochromacy



## Original Color

41.0739, 64.4169, 30.0076



## Achromatopsia

47.7994, 50.2886, 54.7643



## Achromatomaly

43.9327, 54.2718, 43.7573

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.0739, 64.4169, 30.0076 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(121, 234, 126)` looks like.

```
.text, #text, p{  
    color:rgb(121, 234, 126)  
}
```

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(121, 234, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 234, 126) }
```

## Border

The CSS property to change the border of an element to XYZ 41.0739, 64.4169, 30.0076 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(121, 234, 126) }
```



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

```
.border{ border-color:rgb(121, 234, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 234, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 234, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 234, 126);  
box-shadow:4px 4px 4px 4px rgb(121, 234,  
126) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.0739, 64.4169, 30.0076 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 234, 126) }
```

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

```
.background{ background-color: rgb(121,  
234, 126) }
```

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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