

# Converting Colors

XYZ(41.9390, 60.2163, 24.5694)

Have a look what the booklet for  
XYZ(41.9390, 60.2163, 24.5694)  
contains.

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# Color

**XYZ(41.7530, 59.9696,  
24.4136)**

# Conversions

## Conversions Part 1

Format	Color
Hex	97DE6F
RGB	151, 222, 111
RGB Percent	59%, 87%, 44%
CMY	0.4078, 0.1294, 0.5647
CMYK	0.32, 0.00, 0.50, 0.13
HSL	98°, 63%, 65%
HSV	98°, 50%, 87%
XYZ	41.7530, 59.9696, 24.4136
YIQ	188.1170, -6.6850, -49.5730

# Conversions

## Conversions Part 2

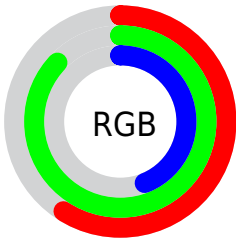
Format	Color
<a href="#">RYB</a>	<a href="#">111, 222, 182</a>
Decimal	<a href="#">9952879</a>
CIELab	<a href="#">81.82, -41.56, 47.15</a>
CIELCh	<a href="#">82, 62.852, 131.388</a>
Yxy	<a href="#">59.9696, 0.3310, 0.4754</a>
Android (android.graphics.Color)	<a href="#">4288142959 (0xFF97DE6F)</a>
YUV	<a href="#">188.1170, -38.0187, -32.5516</a>
Hunter-Lab	<a href="#">77.4400, -39.2790, 35.5164</a>

# Details

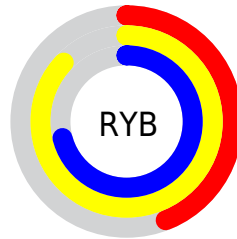
The XYZ color **41.7530, 59.9696, 24.4136** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **38.1635, 26.5898, 72.2315**, and the grayscale version is **48.0799, 50.5838, 55.0857**.

A 20% lighter version of the original color is **68.5640, 87.6465, 48.9011**, and **19.2495, 30.0750, 8.9282** is the 20% darker color. If you saturate the color by 10%, you get **38.2010, 58.2645, 18.6405**, and if you desaturate by 10%, it is **45.9292, 61.9651, 31.8038**.

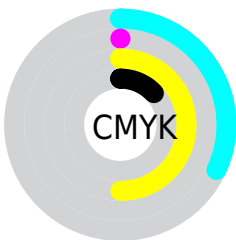
# Distribution



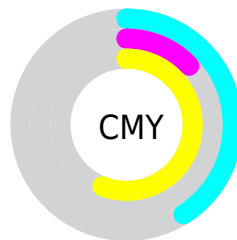
- Red (59%)
- Green (87%)
- Blue (44%)



- Red (44%)
- Yellow (87%)
- Blue (71%)



- Cyan (32%)
- Magenta (0%)
- Yellow (50%)
- Black (13%)




- Cyan (41%)
- Magenta (13%)
- Yellow (56%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.7530, 59.9696, 24.4136 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 41.7530, 59.9696, 24.4136 by changing the saturation by 10% instead.




 41.7530, 59.9696,  
24.4136

 41.7530, 59.9696,  
24.4136


344.4671,  
424.4857, 288.2585


 29.0982, 43.3941,  
15.4257


 77.0932, 104.7856,  
51.6566


 19.2998, 30.1945,  
8.9688


 100.5093,  
133.7949, 70.7487

 11.9924, 19.9863,  
4.6243


 128.2431,  
167.7175, 94.0460

 6.8106, 12.3850,  
1.9737

 160.6602,  
206.9380, 121.9669

 3.3892, 7.0065,  
0.5390

198.1258,  
251.8407, 154.9301

 1.3628, 3.4662,  
0.0000

241.0052,

 0.2295, 1.3797,

302.8099, 193.3541

0.0000

289.6638,  
360.2301, 237.6574

■ 0.0000, 0.2017,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 41.7530, 59.9696,  
24.4136

■ 41.7530, 59.9696,  
24.4136

■ 38.2010, 58.2645,  
18.6405

■ 45.9292, 61.9651,  
31.8038

■ 35.2347, 56.8270,  
14.3595


■ 50.7564, 64.2570,  
40.9162


■ 32.8175, 55.6431,  
11.4332


■ 56.2652, 66.8605,  
51.8515


■ 30.9055, 54.6939,  
9.6974

■ 62.4825, 69.7877,  
64.7014

 29.4304, 53.9504,  
8.8623

 69.4339, 73.0498,  
79.5515

 29.4303, 53.9503,  
8.8623

 77.1436, 76.6575,  
96.4825

 83.7430, 79.8644,  
105.6094

 85.4126, 80.7251,  
105.6875

# Harmonies

## Analogous

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



52.1130, 59.9696, 16.6934



41.7530, 59.9696, 24.4136



36.0945, 59.9696, 44.6592

# Triad

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



41.7530, 59.9696, 24.4136



49.2449, 59.9696, 161.7894



85.8166, 59.9696, 51.9172

# Complementary

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



41.7530, 59.9696, 24.4136



38.1635, 26.5898, 72.2315

# 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.



84.7292, 59.9696, 91.4764



41.7530, 59.9696, 24.4136



62.1819, 59.9696, 166.1878

# Square

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



41.7530, 59.9696, 24.4136



39.9346, 59.9696, 126.4299



75.5674, 59.9696, 136.8053



78.3414, 59.9696, 27.9471



# Rectangle

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



41.7530, 59.9696, 24.4136



35.1258, 59.9696, 67.0810



75.5674, 59.9696, 136.8053



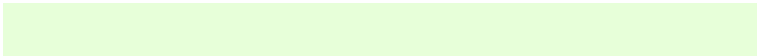
86.4676, 59.9696, 63.5444

# Sweetspot

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



41.7545, 59.9722, 24.4149



81.0562, 93.4280, 79.2366



49.5809, 49.8497, 22.0486



16.9677, 19.8177, 16.1746



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.



41.7545, 59.9722, 24.4149



52.0883, 79.6605, 25.2010



36.4317, 57.1261, 28.7785



13.9926, 15.5764, 14.5758



17.5910, 32.1010, 5.2690



1.3149, 2.2743, 0.3697



# Inverse Universe

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



38.1635, 26.5898, 72.2315



46.5861, 28.9842, 97.7469



47.0980, 31.4149, 62.7441



13.7910, 13.6758, 17.3005



14.5839, 6.6136, 41.5563



1.1077, 0.5083, 2.8850



# Previews

## White Background



This preview shows how the XYZ color 41.7530, 59.9696, 24.4136 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 41.7530, 59.9696, 24.4136 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 41.7530, 59.9696, 24.4136**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.7530, 59.9696, 24.4136.



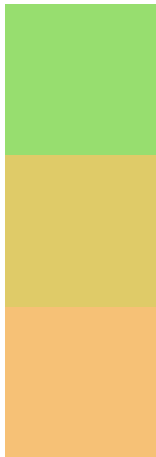
This preview shows how white text looks on a background with the XYZ color 41.7530, 59.9696,



# 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

41.7530, 59.9696, 24.4136

### Protanopia

54.2861, 59.3993, 21.7007

### Deuteranopia

60.3460, 59.0408, 25.3550



## Tritanopia

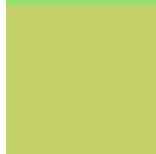
52.8901, 59.5269, 80.6537

# Trichromacy



## Original Color

41.7530, 59.9696, 24.4136



## Protanomaly

48.7264, 59.0250, 22.7347



## Deuteranomaly

51.5513, 58.2724, 24.7503



## Tritanomaly

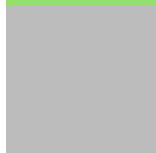
47.5986, 59.2352, 54.2722

# Monochromacy



## Original Color

41.7530, 59.9696, 24.4136



## Achromatopsia

47.7994, 50.2886, 54.7643



## Achromatomaly

44.6786, 52.9606, 41.1253

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.7530, 59.9696, 24.4136 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(151, 222, 111)` looks like.

```
.text, #text, p{  
    color:rgb(151, 222, 111)  
}
```

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(151, 222, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 222, 111) }
```

## Border

The CSS property to change the border of an element to XYZ 41.7530, 59.9696, 24.4136 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(151, 222, 111) }
```



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

```
.border{ border-color:rgb(151, 222, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 222, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 222, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 222, 111);  
box-shadow:4px 4px 4px 4px rgb(151, 222,  
111) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.7530, 59.9696, 24.4136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 222, 111) }
```

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

```
.background{ background-color: rgb(151,  
222, 111) }
```

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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