

# Converting Colors

XYZ(40.3763, 59.5322, 9.3628)

Have a look what the booklet for  
XYZ(40.3763, 59.5322, 9.3628)  
contains.

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# Color

**XYZ(40.4194, 59.6135,  
9.3762)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9FDE00
RGB	159, 222, 0
RGB Percent	62%, 87%, 0%
CMY	0.3765, 0.1294, 0.9999
CMYK	0.28, 0.00, 1.00, 0.13
HSL	77°, 100%, 44%
HSV	77°, 100%, 87%
XYZ	40.4194, 59.6135, 9.3762
YIQ	177.8550, 33.7140, -82.3980

# Conversions

## Conversions Part 2

Format	Color
<b>RYB</b>	0, 222, 63
Decimal	10477056
CIELab	81.63, -44.81, 80.00
CIELCh	82, 91.699, 119.252
Yxy	59.6135, 0.3694, 0.5449
Android (android.graphics.Color)	4288667136 (0xFF9FDE00)
YUV	177.8550, -87.6825, -16.5358
Hunter-Lab	77.2098, -41.6722, 46.8468

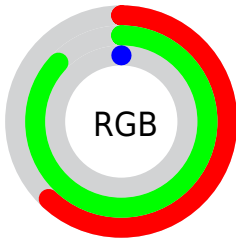
# Details

The XYZ color **40.4194, 59.6135, 9.3762** is a dark color, and the websafe version is hex **99CC00**.

The color can be described as dark washed chartreuse. A complement of this color would be **15.2378, 6.3327, 69.5299**, and the grayscale version is **42.6801, 44.9027, 48.8991**.

A 20% lighter version of the original color is **66.3937, 87.1135, 22.3321**, and **18.8917, 29.9818, 4.7914** is the 20% darker color. If you saturate the color by 10%, you get **40.4190, 59.6153, 9.3766**, and if you desaturate by 10%, it is **41.8494, 60.3357, 10.2109**.

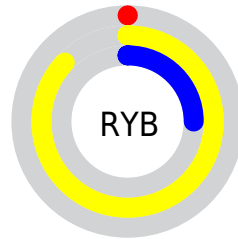
# Distribution



Red (62%)

Green (87%)

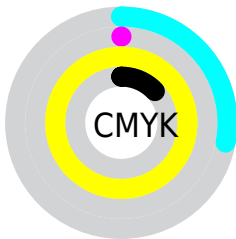
Blue (0%)



Red (0%)

Yellow (87%)

Blue (25%)

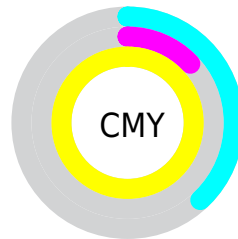


Cyan (28%)

Magenta (0%)

Yellow (100%)

Black (13%)



Cyan (38%)

Magenta (13%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 40.4194, 59.6135, 9.3762 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 40.4194, 59.6135, 9.3762 by changing the saturation by 10% instead.





 40.4194, 59.6135,  
9.3762


 40.4194, 59.6135,  
9.3762


338.9923,  
423.1717, 196.4803


 28.0514, 43.1072,  
4.8872


 75.0820, 104.2688,  
25.2046


 18.5050, 29.9692,  
2.1237


 98.1073, 133.1866,  
37.3811


 11.4151, 19.8152,  
0.6298

 125.4158,  
167.0103, 52.9572

 6.4161, 12.2608,  
0.0000

 157.3727,  
206.1243, 72.3514

 3.1427, 6.9216,  
0.0000

 194.3434,  
250.9131, 95.9823

 1.2297, 3.4131,  
0.0000

 236.6934,

 0.1296, 1.3510,

301.7610, 124.2683

0.0000

284.7879,  
359.0524, 157.6282

■ 0.0000, 0.1802,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 40.4194, 59.6135,  
9.3762

■ 40.4194, 59.6135,  
9.3762

■ 40.4190, 59.6153,  
9.3766

■ 41.8494, 60.3357,  
10.2109

■ 43.5114, 61.1560,  
11.9364

■ 45.4626, 62.0996,  
14.8424

■ 47.7349, 63.1793,  
19.0927

■ 50.3554, 64.4060,  
24.8253

■ 53.3478, 65.7894,  
32.1610

■ 56.7336, 67.3381,  
41.2080

■ 60.5323, 69.0600,  
52.0655

■ 64.7621, 70.9625,  
64.8248

# Harmonies

## Analogous

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



57.1455, 59.6135, 6.1250



40.4194, 59.6135, 9.3762



30.4164, 59.6135, 24.3768

# Triad

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



40.4194, 59.6135, 9.3762



39.7548, 59.6135, 205.4271



102.3552, 59.6135, 66.3028

# Complementary

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



40.4194, 59.6135, 9.3762



15.2378, 6.3327, 69.5299

# 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.



94.8290, 59.6135, 135.6525



40.4194, 59.6135, 9.3762



56.1790, 59.6135, 239.2562

# Square

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



40.4194, 59.6135, 9.3762



30.0983, 59.6135, 131.7717



76.7571, 59.6135, 208.4249



95.5118, 59.6135, 25.6460



# Rectangle

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



40.4194, 59.6135, 9.3762



27.5045, 59.6135, 47.0682



76.7571, 59.6135, 208.4249



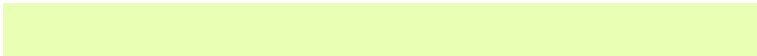
101.3991, 59.6135, 86.7692

# Sweetspot

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



40.4208, 59.6161, 9.3775



77.5441, 92.1264, 56.0783



31.8990, 19.0768, 2.0017



16.1629, 19.5205, 10.8190



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.



40.4208, 59.6161, 9.3775



55.1985, 81.5409, 12.8297



27.3475, 52.8766, 8.7657



14.4728, 15.8239, 14.5983



24.1210, 35.4674, 5.5746



1.7584, 2.5030, 0.3904



# Inverse Universe

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



15.2378, 6.3327, 69.5299



20.7508, 8.6123, 95.1764



30.6213, 14.2631, 70.2499



13.3156, 13.4307, 17.2783



9.1440, 3.8092, 41.3017

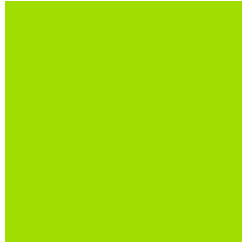


0.7201, 0.3085, 2.8668



# Previews

## White Background



This preview shows how the XYZ color 40.4194, 59.6135, 9.3762 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 40.4194, 59.6135, 9.3762 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 40.4194, 59.6135, 9.3762**

## **Background**



This preview shows how black text looks on a background with the XYZ color 40.4194, 59.6135, 9.3762.



This preview shows how white text looks on a background with the XYZ color 40.4194, 59.6135,



# 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

40.4194, 59.6135, 9.3762

### Protanopia

53.3508, 59.2059, 8.6160

### Deuteranopia

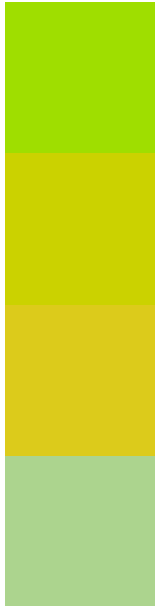
60.5076, 59.1264, 10.4139



## Tritanopia

54.2130, 59.1736, 78.3764

# Trichromacy



## Original Color

40.4194, 59.6135, 9.3762

## Protanomaly

47.6752, 58.7897, 8.8348

## Deuteranomaly

51.0690, 58.0066, 9.5417

## Tritanomaly

45.4392, 57.8106, 34.3549

# Monochromacy



## Original Color

40.4194, 59.6135, 9.3762

## Achromatopsia

42.3164, 44.5201, 48.4824

## Achromatomaly

39.0670, 48.4338, 22.9124

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 40.4194, 59.6135, 9.3762 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(159, 222, 0)` looks like.

```
.text, #text, p{  
    color:rgb(159, 222, 0)  
}
```

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(159, 222, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 222, 0) }
```

## Border

The CSS property to change the border of an element to XYZ 40.4194, 59.6135, 9.3762 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(159, 222, 0) }
```



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

```
.border{ border-color:rgb(159, 222, 0) }
```

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

Here you see how a box with a 4 pixel rgb(159, 222, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 222, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 222, 0);  
box-shadow:4px 4px 4px 4px rgb(159, 222,  
0) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.4194, 59.6135, 9.3762 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 222, 0) }
```

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

```
.background{ background-color: rgb(159,  
222, 0) }
```

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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