

# Converting Colors

XYZ(32.1415, 44.4477, 11.5883)

Have a look what the booklet for  
XYZ(32.1415, 44.4477, 11.5883)  
contains.

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# Color

**XYZ(32.1413, 44.4477,  
11.5879)**

# Conversions

## Conversions Part 1

Format	Color
Hex	95C03F
RGB	149, 192, 63
RGB Percent	58%, 75%, 25%
CMY	0.4157, 0.2470, 0.7529
CMYK	0.22, 0.00, 0.67, 0.25
HSL	80°, 51%, 50%
HSV	80°, 67%, 75%
XYZ	32.1413, 44.4477, 11.5879
YIQ	164.4370, 15.7810, -49.2350

# Conversions

## Conversions Part 2

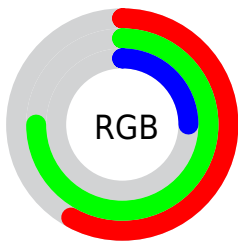
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">63, 192, 106</a>
Decimal	<a href="#">9814079</a>
CIELab	<a href="#">72.53, -33.23, 57.85</a>
CIElCh	<a href="#">73, 66.720, 119.875</a>
Yxy	<a href="#">44.4477, 0.3645, 0.5041</a>
Android (android.graphics.Color)	<a href="#">4288004159 (0xFF95C03F)</a>
YUV	<a href="#">164.4370, -50.0084, -13.5382</a>
Hunter-Lab	<a href="#">66.6691, -30.6158, 36.3631</a>

# Details

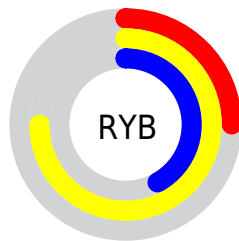
The XYZ color **32.1413, 44.4477, 11.5879** is a dark color, and the websafe version is hex **99CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **17.2376, 10.4262, 50.9756**, and the grayscale version is **35.7220, 37.5824, 40.9272**.

A 20% lighter version of the original color is **62.5402, 82.1575, 29.3914**, and **13.7046, 20.5566, 3.2455** is the 20% darker color. If you saturate the color by 10%, you get **30.5600, 43.6855, 9.1851**, and if you desaturate by 10%, it is **33.9760, 45.3218, 14.9808**.

# Distribution



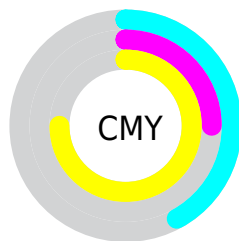
- Red (58%)
- Green (75%)
- Blue (25%)



- Red (25%)
- Yellow (75%)
- Blue (42%)



- Cyan (22%)
- Magenta (0%)
- Yellow (67%)
- Black (25%)




- Cyan (42%)
- Magenta (25%)
- Yellow (75%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 32.1413, 44.4477, 11.5879 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 32.1413, 44.4477, 11.5879 by changing the saturation by 10% instead.





 32.1413, 44.4477,  
11.5879


 32.1413, 44.4477,  
11.5879


303.4963,  
364.5321, 212.5378


 21.6255, 31.0226,  
6.3446


 62.3962, 81.8910,  
29.3954

 13.6971, 20.6161,  
2.9836


 82.8661, 106.6780,  
42.7966


 7.9906, 12.8437,  
1.0863

 107.3847,  
136.0211, 59.7543

 4.1407, 7.3210,  
0.0000

 136.3174,  
170.3048, 80.6870

 1.7820, 3.6636,  
0.0000

 170.0296,  
209.9133, 106.0131

 0.5068, 1.4872,  
0.0000

208.8865,

 0.0000, 0.2797,

255.2311, 136.1513

0.0000

253.2536,  
306.6425, 171.5200

■ 0.0000, 0.0000,  
0.0000

■ 32.1413, 44.4477,  
11.5879

■ 32.1413, 44.4477,  
11.5879

■ 30.5600, 43.6855,  
9.1851

■ 33.9760, 45.3218,  
14.9808

■ 29.2074, 43.0205,  
7.6618

■ 36.0795, 46.3094,  
19.4533

■ 28.0551, 42.4429,  
6.8688

■ 38.4692, 47.4191,  
25.0879

■ 27.7521, 42.2901,  
6.7001

■ 41.1602, 48.6570,  
31.9585

■ 44.1662, 50.0289,  
40.1326

■ 47.5000, 51.5398,  
49.6732

■ 51.1737, 53.1947,  
60.6390

■ 55.1986, 54.9984,  
73.0851

■ 59.5856, 56.9551,  
87.0639

# Harmonies

## Analogous

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



42.2944, 44.4477, 8.6306



32.1413, 44.4477, 11.5879



25.8316, 44.4477, 23.0206

# Triad

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



32.1413, 44.4477, 11.5879



32.0717, 44.4477, 126.6599



68.5071, 44.4477, 48.5342

# Complementary

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



32.1413, 44.4477, 11.5879



17.2376, 10.4262, 50.9756

# 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.



64.4584, 44.4477, 87.7473



32.1413, 44.4477, 11.5879



42.1980, 44.4477, 143.6461

# Square

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



32.1413, 44.4477, 11.5879



25.7968, 44.4477, 87.3921



54.2739, 44.4477, 126.9223



64.5223, 44.4477, 23.1667

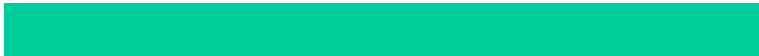


# Rectangle

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



32.1413, 44.4477, 11.5879



23.9705, 44.4477, 38.0747



54.2739, 44.4477, 126.9223



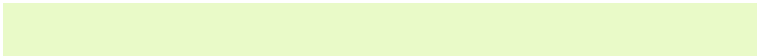
68.0319, 44.4477, 60.4319

# Sweetspot

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



32.1423, 44.4497, 11.5888



78.2526, 89.8392, 67.8109



27.7912, 21.8750, 7.4608



16.4552, 19.1218, 13.6410



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138



# Same Dimension

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



32.1423, 44.4497, 11.5888



54.0682, 78.5145, 15.0456



23.4494, 39.9683, 11.1820



10.5766, 11.5847, 10.7405



18.7586, 28.4992, 4.5122



0.8811, 1.2678, 0.1983



# Inverse Universe

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



17.2376, 10.4262, 50.9756



25.3406, 12.6097, 91.4586



27.9795, 15.9638, 51.4784



9.8376, 9.9075, 12.6787



7.8998, 3.3329, 33.7836



0.4153, 0.1821, 1.4632



# Previews

## White Background



This preview shows how the XYZ color 32.1413, 44.4477, 11.5879 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 32.1413, 44.4477, 11.5879 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 32.1413, 44.4477, 11.5879**

## **Background**



This preview shows how black text looks on a background with the XYZ color 32.1413, 44.4477, 11.5879.



This preview shows how white text looks on a background with the XYZ color 32.1413, 44.4477,



# 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

32.1413, 44.4477, 11.5879

### Protanopia

39.9985, 44.1623, 10.5537

### Deuteranopia

45.1441, 44.2030, 12.1139



## Tritanopia

41.1675, 44.0278, 57.3674

# Trichromacy



**Original Color**

32.1413, 44.4477, 11.5879

**Protanomaly**

36.5715, 43.8965, 10.8203

**Deuteranomaly**

39.2712, 43.4637, 11.7884

**Tritanomaly**

36.6269, 43.7272, 33.7039

# Monochromacy



**Original Color**

32.1413, 44.4477, 11.5879

**Achromatopsia**

35.2861, 37.1238, 40.4278

**Achromatomaly**

33.2649, 39.1753, 25.8870

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 32.1413, 44.4477, 11.5879 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(149, 192, 63)` looks like.

```
.text, #text, p{  
    color:rgb(149, 192, 63)  
}
```

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(149, 192, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 192, 63) }
```

## Border

The CSS property to change the border of an element to XYZ 32.1413, 44.4477, 11.5879 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(149, 192, 63) }
```



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

```
.border{ border-color:rgb(149, 192, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 192, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 192, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 192, 63);  
box-shadow:4px 4px 4px 4px rgb(149, 192,  
63) }
```

# Background

The CSS property to change the background color of an element to XYZ 32.1413, 44.4477, 11.5879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 192, 63) }
```

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

```
.background{ background-color: rgb(149,  
192, 63) }
```

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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