

Converting Colors

XYZ(39.7574, 64.1536, 23.9219)

Have a look what the booklet for
XYZ(39.7574, 64.1536, 23.9219)
contains.

XYZ(39.9176, 64.3792, 23.9582)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(39.9176, 64.3792,
23.9582)**

Conversions

Conversions Part 1

Format	Color
Hex	77EB6A
RGB	119, 235, 106
RGB Percent	47%, 92%, 42%
CMY	0.5333, 0.0784, 0.5843
CMYK	0.49, 0.00, 0.55, 0.08
HSL	114°, 76%, 67%
HSV	114°, 55%, 92%
XYZ	39.9176, 64.3792, 23.9582
YIQ	185.6100, -27.7270, -64.7110

Conversions

Conversions Part 2

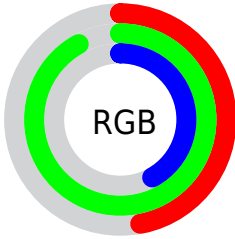
Format	Color
RYB	106, 235, 222
Decimal	7859050
CIELab	84.16, -57.30, 51.95
CIELCh	84, 77.345, 137.802
Yxy	64.3792, 0.3112, 0.5020
Android (android.graphics.Color)	4286049130 (0xFF77EB6A)
YUV	185.6100, -39.2477, -58.4170
Hunter-Lab	80.2366, -51.6107, 38.4620

Details

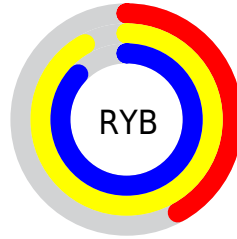
The XYZ color **39.9176, 64.3792, 23.9582** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **50.2769, 31.8380, 82.0961**, and the grayscale version is **46.6790, 49.1099, 53.4807**.

A 20% lighter version of the original color is **60.4653, 83.5230, 46.1924**, and **18.1939, 32.9386, 8.7670** is the 20% darker color. If you saturate the color by 10%, you get **36.2746, 62.6255, 18.2594**, and if you desaturate by 10%, it is **44.5434, 66.6047, 31.4533**.

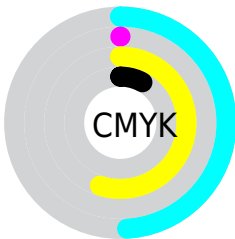
Distribution



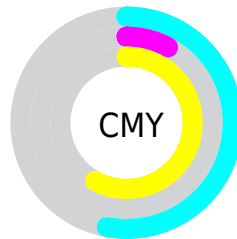
- Red (47%)
- Green (92%)
- Blue (42%)



- Red (42%)
- Yellow (92%)
- Blue (87%)



- Cyan (49%)
- Magenta (0%)
- Yellow (55%)
- Black (8%)



- Cyan (53%)
- Magenta (8%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.9176, 64.3792, 23.9582 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 39.9176, 64.3792, 23.9582 by changing the saturation by 10% instead.

39.9176, 64.3792,
23.9582

39.9176, 64.3792,
23.9582

336.9165,
440.5577, 285.8888

27.6582, 46.9579,
15.0907

74.3232, 111.1569,
50.9050

18.2073, 33.0024,
8.7357

97.2001, 141.2820,
69.8213

11.1995, 22.1282,
4.4748

124.3468,
176.4105, 92.9243

6.2695, 13.9512,
1.8892

156.1289,
216.9268, 120.6326

3.0518, 8.0867,
0.4859

192.9115,
263.2153, 153.3646

1.1812, 4.1505,
0.0000

235.0601,

0.0915, 1.7581,

315.6603, 191.5390

0.0000

282.9400,
374.6463, 235.5742

■ 0.0000, 0.4608,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 39.9176, 64.3792,
23.9582

■ 39.9176, 64.3792,
23.9582

■ 36.2746, 62.6255,
18.2594

■ 44.5434, 66.6047,
31.4533

■ 33.5383, 61.3018,
14.2028


■ 50.2114, 69.3240,
40.8734


■ 31.6293, 60.3729,
11.6156


■ 56.9819, 72.5676,
52.3404

■ 30.4513, 59.7939,
10.2843

■ 64.9092, 76.3609,
65.9649

 30.0787, 59.6095,
9.9205

 74.0440, 80.7279,
81.8496

 84.4340, 85.6912,
100.0907

 88.9996, 87.8992,
106.8832

Harmonies

Analogous

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



51.6767, 64.3792, 13.2275



39.9176, 64.3792, 23.9582



34.3465, 64.3792, 52.0219

Triad

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



39.9176, 64.3792, 23.9582



54.5018, 64.3792, 208.3357



98.1467, 64.3792, 45.0656

Complementary

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



39.9176, 64.3792, 23.9582



50.2769, 31.8380, 82.0961

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.



99.2916, 64.3792, 91.9403



39.9176, 64.3792, 23.9582



71.8057, 64.3792, 203.4473

Square

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



39.9176, 64.3792, 23.9582



41.6524, 64.3792, 165.5841



88.9303, 64.3792, 154.3004



86.0447, 64.3792, 20.9138

Rectangle

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



39.9176, 64.3792, 23.9582



34.0493, 64.3792, 83.6772



88.9303, 64.3792, 154.3004



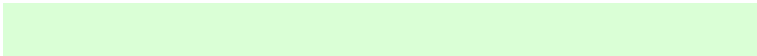
99.8976, 64.3792, 58.0736

Sweetspot

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



39.9192, 64.3819, 23.9596



76.9296, 91.3386, 77.3278



62.4454, 69.8661, 23.8309



16.0262, 19.3398, 15.7927



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.



39.9192, 64.3819, 23.9596



43.1372, 75.1258, 21.1799



41.6085, 64.8655, 41.5379



15.0091, 16.9347, 15.9964



16.7880, 33.1990, 5.5232



1.3659, 2.6315, 0.4359

Inverse Universe

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



50.2769, 31.8380, 82.0961



56.7084, 32.1726, 97.8288



48.2324, 31.4980, 49.7438



15.5566, 15.2322, 19.0424



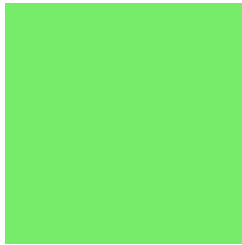
23.4108, 11.1046, 44.6525



1.8816, 0.8943, 3.5083

Previews

White Background



This preview shows how the XYZ color 39.9176, 64.3792, 23.9582 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 39.9176, 64.3792, 23.9582 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

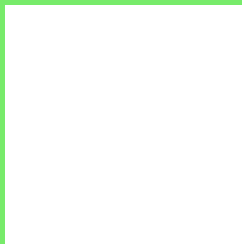
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.9176, 64.3792, 23.9582

Background



This preview shows how black text looks on a background with the XYZ color 39.9176, 64.3792, 23.9582.

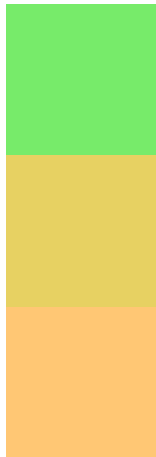


This preview shows how white text looks on a background with the XYZ color 39.9176, 64.3792,

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

39.9176, 64.3792, 23.9582

Protanopia

57.9601, 63.4717, 20.7517

Deuteranopia

64.8158, 63.3678, 25.3380



Tritanopia

53.2905, 64.0559, 91.2167

Trichromacy



Original Color

39.9176, 64.3792, 23.9582



Protanomaly

48.6556, 62.0295, 21.7204



Deuteranomaly

51.9217, 61.3786, 24.4399



Tritanomaly

46.7537, 63.3885, 59.0612

Monochromacy



Original Color

39.9176, 64.3792, 23.9582



Achromatopsia

46.6715, 49.1021, 53.4722



Achromatomaly

42.5790, 53.3014, 39.9423

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.9176, 64.3792, 23.9582 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(119, 235, 106)` looks like.

```
.text, #text, p{  
    color:rgb(119, 235, 106)  
}
```

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(119, 235, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 235, 106) }
```

Border

The CSS property to change the border of an element to XYZ 39.9176, 64.3792, 23.9582 is called "border". The border property can be set on classes, ids or directly on the HTML element.

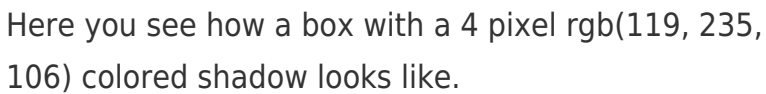
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(119, 235, 106) }
```


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

```
.border{ border-color:rgb(119, 235, 106) }
```

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



Here you see how a box with a 4 pixel `rgb(119, 235, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 235, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 235, 106);  
box-shadow:4px 4px 4px 4px rgb(119, 235,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 39.9176, 64.3792, 23.9582 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 235, 106) }
```

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

```
.background{ background-color: rgb(119,  
235, 106) }
```

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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