

Converting Colors

XYZ(39.8408, 49.7384, 25.2113)

Have a look what the booklet for
XYZ(39.8408, 49.7384, 25.2113)
contains.

XYZ(39.9340, 49.8346, 25.2836)	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(39.9340, 49.8346,
25.2836)**

Conversions

Conversions Part 1

Format	Color
Hex	AAC578
RGB	170, 197, 120
RGB Percent	67%, 77%, 47%
CMY	0.3333, 0.2274, 0.5294
CMYK	0.14, 0.00, 0.39, 0.23
HSL	81°, 40%, 62%
HSV	81°, 39%, 77%
XYZ	39.9340, 49.8346, 25.2836
YIQ	180.1490, 8.6250, -29.6710

Conversions

Conversions Part 2

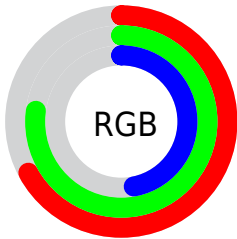
Format	Color
RYB	120, 197, 147
Decimal	11191672
CIELab	75.97, -21.92, 35.64
CIELCh	76, 41.839, 121.601
Yxy	49.8346, 0.3471, 0.4331
Android (android.graphics.Color)	4289381752 (0xFFAAC578)
YUV	180.1490, -29.6535, -8.9007
Hunter-Lab	70.5936, -22.5635, 28.1804

Details

The XYZ color **39.9340, 49.8346, 25.2836** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **28.8291, 23.6686, 55.8751**, and the grayscale version is **43.6146, 45.8860, 49.9698**.

A 20% lighter version of the original color is **74.3487, 90.0695, 53.0017**, and **18.2641, 23.8690, 9.4389** is the 20% darker color. If you saturate the color by 10%, you get **37.4052, 48.6567, 19.5535**, and if you desaturate by 10%, it is **42.7898, 51.1557, 32.3149**.

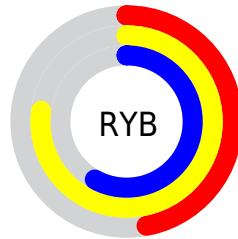
Distribution



Red (67%)

Green (77%)

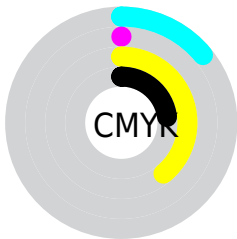
Blue (47%)



Red (47%)

Yellow (77%)

Blue (58%)

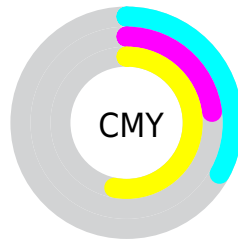


Cyan (14%)

Magenta (0%)

Yellow (39%)

Black (23%)



Cyan (33%)


Magenta (23%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.9340, 49.8346, 25.2836 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 39.9340, 49.8346, 25.2836 by changing the saturation by 10% instead.


 39.9340, 49.8346,
25.2836


 39.9340, 49.8346,
25.2836


336.9845,
386.0188, 292.7401


 27.6711, 35.2820,
16.0675


 74.3480, 89.9298,
53.0867

 18.2170, 23.8802,
9.4171


 97.2297, 116.2411,
72.5109

 11.2066, 15.2448,
4.9137


 124.3818,
147.2408, 96.1748

 6.2743, 8.9913,
2.1389

156.1696,
183.3133, 124.4971

 3.0548, 4.7355,
0.6388

192.9584,
224.8430, 157.8962

 1.1828, 2.0929,
0.0000

235.1136,

 0.0927, 0.6607,

272.2141, 196.7907

0.0000

283.0005,
325.8113, 241.5992

■ 0.0000, 0.0000,
0.0000

■ 39.9340, 49.8346,
25.2836

■ 39.9340, 49.8346,
25.2836

■ 37.4052, 48.6567,
19.5535

■ 42.7898, 51.1557,
32.3149

■ 35.1833, 47.6089,
15.0415

■ 45.9840, 52.6197,
40.7176

■ 33.2514, 46.6858,
11.6596


■ 49.5317, 54.2344,
50.5605


■ 31.5891, 45.8792,
9.3069


■ 53.4461, 56.0053,
61.9068


■ 30.1726, 45.1794,
7.8643


■ 57.7397, 57.9375,
74.8162

 28.9618, 44.5703,
7.1282

 62.4241, 60.0356,
89.3449

 28.8568, 44.5173,
7.0718

 67.0392, 62.1159,
103.0640

 69.1532, 63.2057,
103.1629

 71.3544, 64.3405,
103.2659

Harmonies

Analogous

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



46.9485, 49.8346, 21.6545



39.9340, 49.8346, 25.2836



35.3603, 49.8346, 36.2892

Triad

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



39.9340, 49.8346, 25.2836



40.5853, 49.8346, 101.4936



63.9956, 49.8346, 53.0701

Complementary

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



39.9340, 49.8346, 25.2836



28.8291, 23.6686, 55.8751

Split Complementary

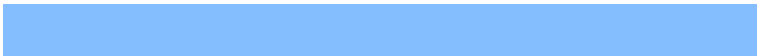
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



61.8221, 49.8346, 77.3610



39.9340, 49.8346, 25.2836



47.7866, 49.8346, 109.5179

Square

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



39.9340, 49.8346, 25.2836



35.7063, 49.8346, 80.0242



55.6679, 49.8346, 99.6825



61.3229, 49.8346, 34.7226

Rectangle

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



39.9340, 49.8346, 25.2836



34.0245, 49.8346, 48.2263



55.6679, 49.8346, 99.6825



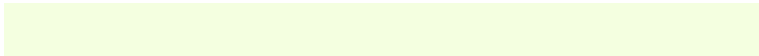
63.8064, 49.8346, 60.7801

Sweetspot

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



39.9352, 49.8368, 25.2847



86.6704, 96.2048, 84.8071



36.8439, 34.0799, 22.4062



18.3684, 20.5087, 17.6426



0.0000, 0.0000, 0.0000



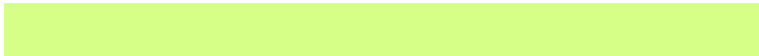
20.3446, 21.4041, 23.3091

Same Dimension

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



39.9352, 49.8368, 25.2847



67.5754, 87.4151, 36.2883



32.8035, 46.1603, 24.9509



11.1490, 12.2237, 11.3346



19.0726, 29.3276, 4.6556



0.9793, 1.4280, 0.2240

Inverse Universe

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



28.8291, 23.6686, 55.8751



44.9076, 33.9582, 98.7954



36.9127, 27.8358, 56.2534



10.4017, 10.4654, 13.3893



8.3295, 3.5282, 34.9864



0.4729, 0.2075, 1.6603

Previews

White Background



This preview shows how the XYZ color 39.9340, 49.8346, 25.2836 looks on a white background.

Color Contrast Check

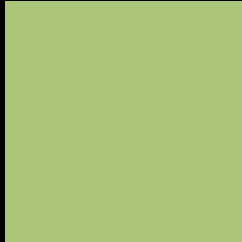
Large Text (above 18pt) WCAG AA × Fail

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 39.9340, 49.8346, 25.2836 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 39.9340, 49.8346, 25.2836

Background



This preview shows how black text looks on a background with the XYZ color 39.9340, 49.8346, 25.2836.



This preview shows how white text looks on a background with the XYZ color 39.9340, 49.8346,

25.2836.

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

39.9340, 49.8346, 25.2836

Protanopia

45.8245, 49.6390, 23.6891

Deuteranopia

50.4987, 49.5427, 25.9699



Tritanopia

47.4870, 49.6287, 62.9536

Trichromacy



Original Color

39.9340, 49.8346, 25.2836

Protanomaly

43.5799, 49.7524, 24.1359

Deuteranomaly

46.0359, 49.3852, 25.8448

Tritanomaly

44.2087, 49.5873, 46.2710

Monochromacy



Original Color

39.9340, 49.8346, 25.2836

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

41.6350, 46.8165, 39.1899

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.9340, 49.8346, 25.2836 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(170, 197, 120)` looks like.

```
.text, #text, p{  
    color:rgb(170, 197, 120)  
}
```

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(170, 197, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 197, 120) }
```

Border

The CSS property to change the border of an element to XYZ 39.9340, 49.8346, 25.2836 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(170, 197, 120) }
```


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

```
.border{ border-color:rgb(170, 197, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 197, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 197, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 197, 120);  
box-shadow:4px 4px 4px 4px rgb(170, 197,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 39.9340, 49.8346, 25.2836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 197, 120) }
```

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

```
.background{ background-color: rgb(170,  
197, 120) }
```

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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