

Converting Colors

XYZ(33.3592, 40.8992, 9.7929)

Have a look what the booklet for
XYZ(33.3592, 40.8992, 9.7929)
contains.

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Color

**XYZ(33.3873, 41.0621,
9.7805)**

Conversions

Conversions Part 1

Format	Color
Hex	AAB337
RGB	170, 179, 55
RGB Percent	67%, 70%, 22%
CMY	0.3333, 0.2980, 0.7843
CMYK	0.05, 0.00, 0.69, 0.30
HSL	64°, 53%, 46%
HSV	64°, 69%, 70%
XYZ	33.3873, 41.0621, 9.7805
YIQ	162.1730, 34.4400, -40.4720

Conversions

Conversions Part 2

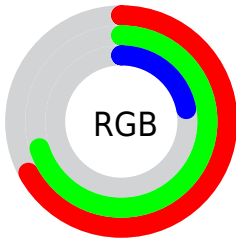
Format	Color
RYB	55, 179, 64
Decimal	11186999
CIELab	70.22, -18.84, 59.08
CIElCh	70, 62.016, 107.690
Yxy	41.0621, 0.3964, 0.4875
Android (android.graphics.Color)	4289377079 (0xFFAAB337)
YUV	162.1730, -52.8363, 6.8643
Hunter-Lab	64.0797, -19.1361, 35.8064

Details

The XYZ color **33.3873, 41.0621, 9.7805** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **11.6185, 7.0779, 43.4041**, and the grayscale version is **34.6536, 36.4582, 39.7030**.

A 20% lighter version of the original color is **64.4636, 77.0148, 25.9357**, and **14.4003, 18.4991, 2.8117** is the 20% darker color. If you saturate the color by 10%, you get **32.7545, 40.7782, 7.9034**, and if you desaturate by 10%, it is **34.1804, 41.4135, 12.4789**.

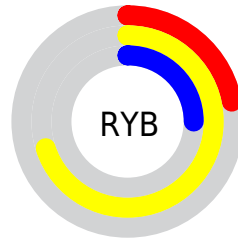
Distribution



Red (67%)

Green (70%)

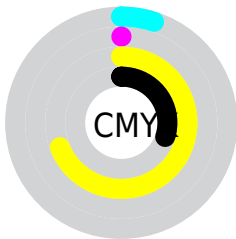
Blue (22%)



Red (22%)

Yellow (70%)

Blue (25%)

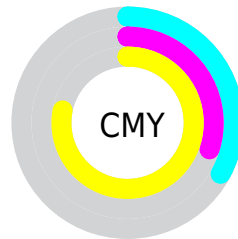


Cyan (5%)

Magenta (0%)

Yellow (69%)

Black (30%)



Cyan (33%)


Magenta (30%)


Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.3873, 41.0621, 9.7805 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 33.3873, 41.0621, 9.7805 by changing the saturation by 10% instead.


 33.3873, 41.0621,
9.7805


 33.3873, 41.0621,
9.7805


309.0255,
350.5801, 199.5258


 22.5840, 28.3676,
5.1500


 64.3304, 76.7782,
25.9831

 14.4056, 18.6030,
2.2752


 85.2008, 100.5685,
38.3923


 8.4869, 11.3837,
0.7173


 110.1577,
128.8263, 54.2315

 4.4625, 6.3256,
0.0000

 139.5663,
161.9359, 73.9192

 1.9669, 3.0440,
0.0000

 173.7920,
200.2816, 97.8739

 0.6153, 1.1548,
0.0000

 213.2002,

 0.0000, 0.0243,

244.2480, 126.5142

0.0000

258.1563,
294.2194, 160.2587

■ 0.0000, 0.0000,
0.0000

■ 33.3873, 41.0621,
9.7805

■ 33.3873, 41.0621,
9.7805

■ 32.7545, 40.7782,
7.9034

■ 34.1804, 41.4135,
12.4789

■ 32.2613, 40.5489,
6.7516

■ 35.1462, 41.8327,
16.0756

■ 31.8750, 40.3627,
6.1482

■ 36.2987, 42.3270,
20.6418

■ 31.8481, 40.3497,
6.1097

■ 37.6502, 42.9012,
26.2407

■ 39.2115, 43.5597,
32.9302

■ 40.9930, 44.3065,
40.7639

■ 43.0040, 45.1455,
49.7918

■ 45.2536, 46.0802,
60.0612

■ 47.7502, 47.1141,
71.6165

Harmonies

Analogous

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



43.3440, 41.0621, 9.2953



33.3873, 41.0621, 9.7805



26.2892, 41.0621, 16.6304

Triad

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



33.3873, 41.0621, 9.7805



27.2982, 41.0621, 100.1692



61.3988, 41.0621, 57.7327

Complementary

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



33.3873, 41.0621, 9.7805



11.6185, 7.0779, 43.4041

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.



55.3335, 41.0621, 93.9447



33.3873, 41.0621, 9.7805



35.0090, 41.0621, 124.6901

Square

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



33.3873, 41.0621, 9.7805



23.2163, 41.0621, 63.9591



45.2714, 41.0621, 122.0165



60.7591, 41.0621, 29.7710

Rectangle

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



33.3873, 41.0621, 9.7805



23.5995, 41.0621, 26.6538



45.2714, 41.0621, 122.0165



60.0383, 41.0621, 69.4939

Sweetspot

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



33.3883, 41.0640, 9.7814



69.6086, 77.7513, 56.3130



21.0737, 13.4452, 5.0994



15.2494, 17.1532, 11.7343



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



33.3883, 41.0640, 9.7814



58.1767, 72.8060, 12.9454



23.0852, 35.7526, 9.2992



9.1349, 9.8746, 9.0771



22.5275, 28.5234, 4.3182



0.7268, 0.9067, 0.1367

Inverse Universe

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



11.6185, 7.0779, 43.4041



16.8041, 8.0784, 77.0548



18.0006, 10.3680, 43.7028



8.0972, 8.2587, 10.6736



5.8893, 2.3718, 30.2844



0.2041, 0.0843, 0.9538

Previews

White Background



This preview shows how the XYZ color 33.3873, 41.0621, 9.7805 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 33.3873, 41.0621, 9.7805 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 33.3873, 41.0621, 9.7805

Background



This preview shows how black text looks on a background with the XYZ color 33.3873, 41.0621, 9.7805.



This preview shows how white text looks on a background with the XYZ color 33.3873, 41.0621,

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

33.3873, 41.0621, 9.7805

Protanopia

37.1334, 40.9686, 9.3187

Deuteranopia

41.6711, 40.8274, 10.0991



Tritanopia

41.3483, 40.8778, 48.8909

Trichromacy



Original Color

33.3873, 41.0621, 9.7805

Protanomaly

35.7630, 41.1166, 9.5414

Deuteranomaly

38.2661, 40.6975, 9.9762

Tritanomaly

37.2962, 40.3401, 28.7424

Monochromacy



Original Color

33.3873, 41.0621, 9.7805

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

33.0948, 37.4347, 24.2202

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3873, 41.0621, 9.7805 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, 179, 55)` looks like.

```
.text, #text, p{  
    color:rgb(170, 179, 55)  
}
```

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, 179, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 179, 55) }
```

Border

The CSS property to change the border of an element to XYZ 33.3873, 41.0621, 9.7805 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, 179, 55) }
```


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

```
.border{ border-color:rgb(170, 179, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 179, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 179, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 179, 55);  
box-shadow:4px 4px 4px 4px rgb(170, 179,  
55) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3873, 41.0621, 9.7805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 179, 55) }
```

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

```
.background{ background-color: rgb(170,  
179, 55) }
```

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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