

Converting Colors

XYZ(33.4727, 41.7134, 15.4570)

Have a look what the booklet for
XYZ(33.4727, 41.7134, 15.4570)
contains.

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Color

**XYZ(33.3896, 41.5389,
15.4905)**

Conversions

Conversions Part 1

Format	Color
Hex	A3B558
RGB	163, 181, 88
RGB Percent	64%, 71%, 35%
CMY	0.3608, 0.2902, 0.6549
CMYK	0.10, 0.00, 0.51, 0.29
HSL	72°, 39%, 53%
HSV	72°, 51%, 71%
XYZ	33.3896, 41.5389, 15.4905
YIQ	165.0160, 19.1250, -32.7390

Conversions

Conversions Part 2

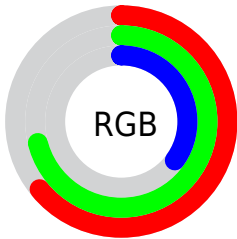
Format	Color
RYB	88, 181, 106
Decimal	10728792
CIELab	70.55, -20.27, 44.82
CIELCh	71, 49.190, 114.334
Yxy	41.5389, 0.3693, 0.4594
Android (android.graphics.Color)	4288918872 (0xFFA3B558)
YUV	165.0160, -37.9689, -1.7680
Hunter-Lab	64.4507, -20.3142, 30.8653

Details

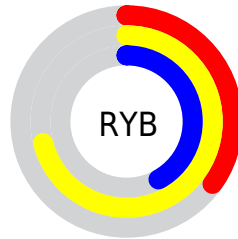
The XYZ color **33.3896, 41.5389, 15.4905** is a dark color, and the websafe version is hex **CCCC66**. A complement of this color would be **17.7756, 13.3809, 45.3644**, and the grayscale version is **35.9428, 37.8146, 41.1801**.

A 20% lighter version of the original color is **64.2312, 77.5219, 36.3888**, and **14.3598, 18.8231, 4.6267** is the 20% darker color. If you saturate the color by 10%, you get **32.0238, 40.9123, 11.9872**, and if you desaturate by 10%, it is **34.9635, 42.2540, 19.9768**.

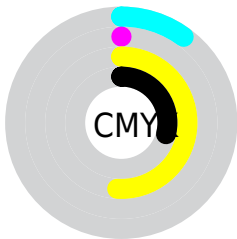
Distribution



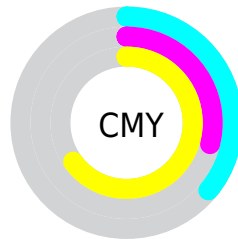
- Red (64%)
- Green (71%)
- Blue (35%)



- Red (35%)
- Yellow (71%)
- Blue (42%)



- Cyan (10%)
- Magenta (0%)
- Yellow (51%)
- Black (29%)



- Cyan (36%)
- Magenta (29%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.3896, 41.5389, 15.4905 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 33.3896, 41.5389, 15.4905 by changing the saturation by 10% instead.

■ 33.3896, 41.5389,
15.4905

■ 33.3896, 41.5389,
15.4905

309.0357,
352.5679, 238.0584

■ 22.5857, 28.7404,
9.0139

■ 64.3339, 77.5013,
36.4658

■ 14.4069, 18.8845,
4.6533

■ 85.2051, 101.4340,
51.8016

■ 8.4878, 11.5869,
1.9902

■ 110.1628,
129.8469, 70.9275

■ 4.4631, 6.4630,
0.5492

■ 139.5723,
163.1243, 94.2621

■ 1.9673, 3.1286,
0.0000

173.7989,
201.6508, 122.2240

■ 0.6155, 1.1993,
0.0000

213.2082,

■ 0.0000, 0.0611,

245.8106, 155.2316

0.0000

258.1653,
295.9882, 193.7036

■ 0.0000, 0.0000,
0.0000

■ 33.3896, 41.5389,
15.4905

■ 33.3896, 41.5389,
15.4905

■ 32.0238, 40.9123,
11.9872

■ 34.9635, 42.2540,
19.9768

■ 30.8488, 40.3629,
9.3903

■ 36.7551, 43.0570,
25.5100

■ 29.8496, 39.8859,
7.6164

■ 38.7773, 43.9545,
32.1513

■ 29.0067, 39.4738,
6.5651

■ 41.0407, 44.9509,
39.9568

■ 28.3723, 39.1572,
6.0627

■ 43.5554, 46.0502,
48.9787

■ 46.3308, 47.2562,
59.2660

■ 49.3760, 48.5725,
70.8650

■ 52.6993, 50.0024,
83.8197

■ 56.3090, 51.5494,
98.1719

Harmonies

Analogous

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



41.0435, 41.5389, 13.7241



33.3896, 41.5389, 15.4905



28.1042, 41.5389, 23.8417

Triad

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



33.3896, 41.5389, 15.4905



31.0579, 41.5389, 92.1658



57.1506, 41.5389, 49.7898

Complementary

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



33.3896, 41.5389, 15.4905



17.7756, 13.3809, 45.3644

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.



53.5770, 41.5389, 76.6400



33.3896, 41.5389, 15.4905



37.9596, 41.5389, 105.9325

Square

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



33.3896, 41.5389, 15.4905



26.8928, 41.5389, 66.2753



46.2726, 41.5389, 99.4470



55.4892, 41.5389, 29.1889

Rectangle

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



33.3896, 41.5389, 15.4905



26.2727, 41.5389, 34.1946



46.2726, 41.5389, 99.4470



56.5083, 41.5389, 58.4130

Sweetspot

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



33.3906, 41.5408, 15.4914



71.8779, 79.7897, 65.8953



25.8757, 20.6429, 11.8538



15.3536, 17.1654, 13.6153



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.



33.3906, 41.5408, 15.4914



56.9796, 73.0967, 20.5897



25.6835, 37.5676, 15.1307



9.0326, 9.8219, 9.0723



19.6141, 27.0215, 4.1819



0.6585, 0.8715, 0.1335

Inverse Universe

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



17.7756, 13.3809, 45.3644



25.8998, 16.9477, 80.2008



24.6965, 16.9487, 45.6883



8.1905, 8.3067, 10.6780



6.2742, 2.5702, 30.3024



0.2427, 0.1042, 0.9556

Previews

White Background



This preview shows how the XYZ color 33.3896, 41.5389, 15.4905 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 33.3896, 41.5389, 15.4905 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

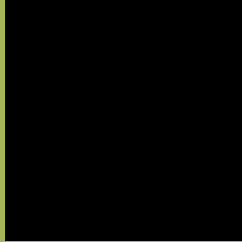
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.3896, 41.5389, 15.4905

Background



This preview shows how black text looks on a background with the XYZ color 33.3896, 41.5389, 15.4905.



This preview shows how white text looks on a background with the XYZ color 33.3896, 41.5389,

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

33.3896, 41.5389, 15.4905

Protanopia

37.8781, 41.2373, 14.5575

Deuteranopia

42.0712, 41.1725, 15.8549



Tritanopia

40.6702, 41.5852, 51.2306

Trichromacy



Original Color

33.3896, 41.5389, 15.4905

Protanomaly

36.0657, 41.1556, 14.8471

Deuteranomaly

38.5112, 40.9741, 15.7766

Tritanomaly

37.3324, 41.3759, 34.4525

Monochromacy



Original Color

33.3896, 41.5389, 15.4905

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

34.3881, 38.8245, 29.3483

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3896, 41.5389, 15.4905 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(163, 181, 88)` looks like.

```
.text, #text, p{  
    color:rgb(163, 181, 88)  
}
```

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(163, 181, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 181, 88) }
```

Border

The CSS property to change the border of an element to XYZ 33.3896, 41.5389, 15.4905 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(163, 181, 88) }
```


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

```
.border{ border-color:rgb(163, 181, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 181, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 181, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 181, 88);  
box-shadow:4px 4px 4px 4px rgb(163, 181,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3896, 41.5389, 15.4905 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 181, 88) }
```

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

```
.background{ background-color: rgb(163,  
181, 88) }
```

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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