

Converting Colors

XYZ(33.3902, 44.8029, 11.5638)

Have a look what the booklet for
XYZ(33.3902, 44.8029, 11.5638)
contains.

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Color

**XYZ(33.4326, 44.7886,
11.5856)**

Conversions

Conversions Part 1

Format	Color
Hex	9DBF3F
RGB	157, 191, 63
RGB Percent	62%, 75%, 25%
CMY	0.3843, 0.2510, 0.7529
CMYK	0.18, 0.00, 0.67, 0.25
HSL	76°, 50%, 50%
HSV	76°, 67%, 75%
XYZ	33.4326, 44.7886, 11.5856
YIQ	166.2420, 20.8240, -47.0160

Conversions

Conversions Part 2

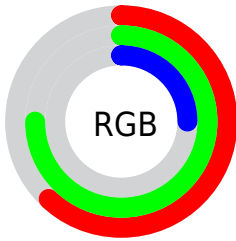
Format	Color
RYB	63, 191, 97
Decimal	10338111
CIELab	72.75, -29.60, 58.25
CIELCh	73, 65.340, 116.941
Yxy	44.7886, 0.3723, 0.4987
Android (android.graphics.Color)	4288528191 (0xFF9DBF3F)
YUV	166.2420, -50.8983, -8.1052
Hunter-Lab	66.9243, -27.9463, 36.5830

Details

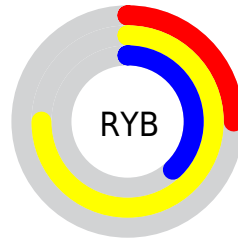
The XYZ color **33.4326, 44.7886, 11.5856** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **16.1130, 9.8592, 50.3467**, and the grayscale version is **36.5954, 38.5012, 41.9278**.

A 20% lighter version of the original color is **64.2032, 82.1020, 29.2930**, and **14.4251, 20.7161, 3.2383** is the 20% darker color. If you saturate the color by 10%, you get **32.0195, 44.1129, 9.2004**, and if you desaturate by 10%, it is **35.0741, 45.5635, 14.9496**.

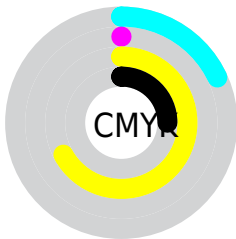
Distribution



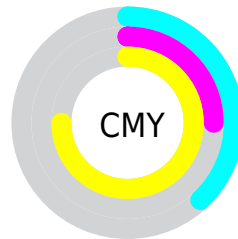
- Red (62%)
- Green (75%)
- Blue (25%)



- Red (25%)
- Yellow (75%)
- Blue (38%)



- Cyan (18%)
- Magenta (0%)
- Yellow (67%)
- Black (25%)



- Cyan (38%)
- Magenta (25%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.4326, 44.7886, 11.5856 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 33.4326, 44.7886, 11.5856 by changing the saturation by 10% instead.

■ 33.4326, 44.7886,
11.5856

■ 33.4326, 44.7886,
11.5856

309.2252,
365.9167, 212.5218

■ 22.6189, 31.2909,
6.3431

■ 64.4005, 82.4031,
29.3911

■ 14.4315, 20.8205,
2.9827

■ 85.2854, 107.2887,
42.7912

■ 8.5051, 12.9929,
1.0858

■ 110.2580,
136.7391, 59.7475

■ 4.4743, 7.4236,
0.0000

■ 139.6838,
171.1387, 80.6786

■ 1.9738, 3.7284,
0.0000

■ 173.9281,
210.8719, 106.0030

■ 0.6192, 1.5228,
0.0000

213.3561,

■ 0.0000, 0.3047,

256.3230, 136.1394

0.0000

258.3334,
307.8765, 171.5061

■ 0.0000, 0.0000,
0.0000

■ 33.4326, 44.7886,
11.5856

■ 33.4326, 44.7886,
11.5856

■ 32.0195, 44.1129,
9.2004

■ 35.0741, 45.5635,
14.9496

■ 30.8110, 43.5222,
7.6853

■ 36.9585, 46.4389,
19.3804

■ 29.7801, 43.0072,
6.8954

■ 39.1027, 47.4230,
24.9593

■ 29.4911, 42.8618,
6.7188

■ 41.5209, 48.5216,
31.7592

■ 44.2262, 49.7401,
39.8466

■ 47.2309, 51.0833,
49.2836

■ 50.5464, 52.5559,
60.1280

■ 54.1835, 54.1623,
72.4342

■ 58.1524, 55.9065,
86.2539

Harmonies

Analogous

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



43.7451, 44.7886, 9.2041



33.4326, 44.7886, 11.5856



26.7808, 44.7886, 22.0106

Triad

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



33.4326, 44.7886, 11.5856



31.7454, 44.7886, 122.0958



68.2782, 44.7886, 52.1779

Complementary

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



33.4326, 44.7886, 11.5856



16.1130, 9.8592, 50.3467

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.



63.5935, 44.7886, 91.3995



33.4326, 44.7886, 11.5856



41.4166, 44.7886, 141.5276

Square

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



33.4326, 44.7886, 11.5856



25.9352, 44.7886, 82.8989



53.2373, 44.7886, 128.3471



65.1270, 44.7886, 25.5864

Rectangle

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



33.4326, 44.7886, 11.5856



24.6609, 44.7886, 35.9694



53.2373, 44.7886, 128.3471



67.5504, 44.7886, 64.2889

Sweetspot

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



33.4336, 44.7906, 11.5865



77.5470, 88.3351, 66.3167



26.4769, 19.6211, 7.0950



16.7250, 19.2609, 13.6536



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.



33.4336, 44.7906, 11.5865



56.3812, 78.5344, 15.1451



24.2489, 40.0557, 11.1567



10.0682, 10.9896, 10.1672



19.4595, 28.2076, 4.4190



0.8210, 1.1352, 0.1758

Inverse Universe

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



16.1130, 9.8592, 50.3467



23.4447, 11.8003, 89.3211



25.4812, 14.6887, 50.7851



9.2479, 9.3447, 11.9885



7.1351, 2.9643, 32.5890



0.3438, 0.1493, 1.2795

Previews

White Background



This preview shows how the XYZ color 33.4326, 44.7886, 11.5856 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 33.4326, 44.7886, 11.5856 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 33.4326, 44.7886, 11.5856

Background



This preview shows how black text looks on a background with the XYZ color 33.4326, 44.7886, 11.5856.



This preview shows how white text looks on a background with the XYZ color 33.4326, 44.7886,

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

33.4326, 44.7886, 11.5856

Protanopia

40.2892, 44.3091, 10.7040

Deuteranopia

45.4177, 44.3477, 11.9605



Tritanopia

42.5403, 44.7484, 56.8473

Trichromacy



Original Color

33.4326, 44.7886, 11.5856

Protanomaly

37.5430, 44.3942, 11.0051

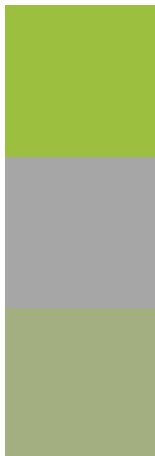
Deuteranomaly

40.0240, 43.8553, 11.6656

Tritanomaly

37.8477, 44.0493, 33.7017

Monochromacy



Original Color

33.4326, 44.7886, 11.5856

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

34.3967, 40.0315, 26.6828

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4326, 44.7886, 11.5856 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(157, 191, 63)` looks like.

```
.text, #text, p{  
    color:rgb(157, 191, 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(157, 191, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 191, 63) }
```

Border

The CSS property to change the border of an element to XYZ 33.4326, 44.7886, 11.5856 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(157, 191, 63) }
```


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

```
.border{ border-color:rgb(157, 191, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 191, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 191, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 191, 63);  
box-shadow:4px 4px 4px 4px rgb(157, 191,  
63) }
```

Background

The CSS property to change the background color of an element to XYZ 33.4326, 44.7886, 11.5856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 191, 63) }
```

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

```
.background{ background-color: rgb(157,  
191, 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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