

Converting Colors

XYZ(33.6968, 44.4067, 26.1141)

Have a look what the booklet for
XYZ(33.6968, 44.4067, 26.1141)
contains.

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Color

**XYZ(33.6167, 44.2369,
26.1688)**

Conversions

Conversions Part 1

Format	Color
Hex	90BE7D
RGB	144, 190, 125
RGB Percent	56%, 75%, 49%
CMY	0.4353, 0.2549, 0.5098
CMYK	0.24, 0.00, 0.34, 0.25
HSL	102°, 33%, 62%
HSV	102°, 34%, 75%
XYZ	33.6167, 44.2369, 26.1688
YIQ	168.8360, -6.5510, -29.9670

Conversions

Conversions Part 2

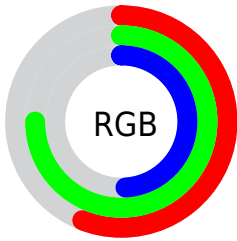
Format	Color
RYB	125, 190, 171
Decimal	9485949
CIELab	72.39, -27.38, 28.04
CIELCh	72, 39.192, 134.314
Yxy	44.2369, 0.3232, 0.4253
Android (android.graphics.Color)	4287676029 (0xFF90BE7D)
YUV	168.8360, -21.6111, -21.7812
Hunter-Lab	66.5108, -26.1743, 23.2298

Details

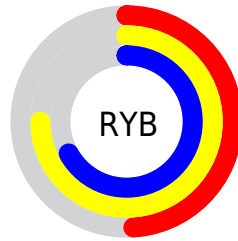
The XYZ color **33.6167, 44.2369, 26.1688** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **33.4245, 27.0442, 52.1760**, and the grayscale version is **37.7377, 39.7030, 43.2366**.

A 20% lighter version of the original color is **64.8498, 81.8780, 54.5056**, and **14.4878, 20.3916, 9.8290** is the 20% darker color. If you saturate the color by 10%, you get **30.3070, 42.6591, 20.2728**, and if you desaturate by 10%, it is **37.4407, 46.0556, 33.3028**.

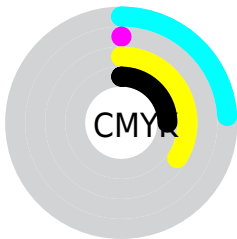
Distribution



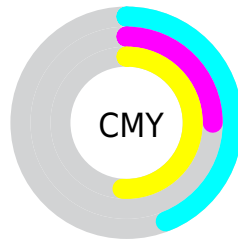
- Red (56%)
- Green (75%)
- Blue (49%)



- Red (49%)
- Yellow (75%)
- Blue (67%)



- Cyan (24%)
- Magenta (0%)
- Yellow (34%)
- Black (25%)



- Cyan (44%)
- Magenta (25%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.6167, 44.2369, 26.1688 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 33.6167, 44.2369, 26.1688 by changing the saturation by 10% instead.

■ 33.6167, 44.2369,
26.1688

■ 33.6167, 44.2369,
26.1688

310.0356,
363.6741, 297.2415

■ 22.7608, 30.8568,
16.7231

■ 64.6854, 81.5741,
54.5346

■ 14.5367, 20.4898,
9.8774

■ 85.6289, 106.3000,
74.2917

■ 8.5791, 12.7516,
5.2132

■ 110.6657,
135.5766, 98.3230

■ 4.5226, 7.2577,
2.3120

140.1611,
169.7883, 127.0470

■ 2.0018, 3.6238,
0.7379

174.4804,
209.3195, 160.8824

■ 0.6350, 1.4654,
0.0000

213.9890,

■ 0.0000, 0.2642,

254.5546, 200.2475

0.0000

259.0523,
305.8780, 245.5611

■ 0.0000, 0.0000,
0.0000

■ 33.6167, 44.2369,
26.1688

■ 33.6167, 44.2369,
26.1688

■ 30.3070, 42.6591,
20.2728

■ 37.4407, 46.0556,
33.3028

■ 27.4851, 41.3062,
15.5413

■ 41.7971, 48.1193,
41.7366

■ 25.1272, 40.1688,
11.8980


■ 46.7073, 50.4389,
51.5316

■ 23.2058, 39.2348,
9.2558


■ 52.1905, 53.0231,
62.7443


■ 21.6903, 38.4905,
7.5145


■ 58.2648, 55.8800,
75.4280


 20.5450, 37.9202,
6.5531

 64.9476, 59.0177,
89.6333

 20.0193, 37.6561,
6.2132

 71.7680, 62.2485,
102.8403

 76.4564, 64.6654,
103.0597

 77.7044, 65.3088,
103.1181

Harmonies

Analogous

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



38.9186, 44.2369, 20.3855



33.6167, 44.2369, 26.1688



30.7494, 44.2369, 38.8014

Triad

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



33.6167, 44.2369, 26.1688



38.6342, 44.2369, 93.5353



55.9141, 44.2369, 39.5503

Complementary

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



33.6167, 44.2369, 26.1688



33.4245, 27.0442, 52.1760

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.



55.8169, 44.2369, 58.9288



33.6167, 44.2369, 26.1688



45.3363, 44.2369, 93.8942

Square

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



33.6167, 44.2369, 26.1688



33.4278, 44.2369, 79.0717



51.7779, 44.2369, 79.9506



52.0308, 44.2369, 26.5900

Rectangle

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



33.6167, 44.2369, 26.1688



30.3884, 44.2369, 51.0164



51.7779, 44.2369, 79.9506



56.3580, 44.2369, 45.4247

Sweetspot

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



33.6178, 44.2388, 26.1698



79.2185, 88.8400, 82.5128



39.4074, 41.3670, 25.3103



17.1229, 19.3795, 17.5774



92.9021, 97.7402, 106.4391



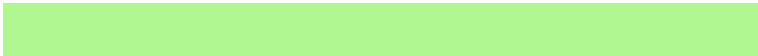
19.4759, 20.4902, 22.3138

Same Dimension

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



33.6178, 44.2388, 26.1698



56.3602, 77.9900, 39.2513



31.4597, 43.0239, 30.6920



9.6638, 10.7811, 10.1483



13.3800, 25.0735, 4.1345



0.5916, 1.0169, 0.1651

Inverse Universe

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



33.4245, 27.0442, 52.1760



55.9384, 42.1359, 93.4639



36.5063, 28.7899, 45.2299



9.6510, 9.5524, 12.0074



12.8485, 5.9097, 32.8564



0.5654, 0.2635, 1.2899

Previews

White Background



This preview shows how the XYZ color 33.6167, 44.2369, 26.1688 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 33.6167, 44.2369, 26.1688 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

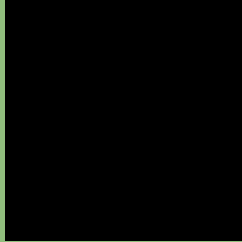
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.6167, 44.2369, 26.1688

Background



This preview shows how black text looks on a background with the XYZ color 33.6167, 44.2369, 26.1688.



This preview shows how white text looks on a background with the XYZ color 33.6167, 44.2369,

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

33.6167, 44.2369, 26.1688

Protanopia

40.8505, 44.0068, 24.1104

Deuteranopia

44.6317, 43.8897, 26.8881



Tritanopia

40.0052, 44.0018, 58.6093

Trichromacy



Original Color

33.6167, 44.2369, 26.1688

Protanomaly

37.9200, 43.9750, 24.9018

Deuteranomaly

39.6260, 43.3171, 26.6946

Tritanomaly

37.1587, 43.7626, 44.5188

Monochromacy



Original Color

33.6167, 44.2369, 26.1688

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

35.9691, 41.2178, 36.1970

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.6167, 44.2369, 26.1688 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(144, 190, 125)` looks like.

```
.text, #text, p{  
    color:rgb(144, 190, 125)  
}
```

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(144, 190, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 190, 125) }
```

Border

The CSS property to change the border of an element to XYZ 33.6167, 44.2369, 26.1688 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(144, 190, 125) }
```


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

```
.border{ border-color:rgb(144, 190, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 190, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 190, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 190, 125);  
box-shadow:4px 4px 4px 4px rgb(144, 190,  
125) }
```

Background

The CSS property to change the background color of an element to XYZ 33.6167, 44.2369, 26.1688 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 190, 125) }
```

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

```
.background{ background-color: rgb(144,  
190, 125) }
```

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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