

Converting Colors

XYZ(33.8107, 44.0959, 30.7824)

Have a look what the booklet for
XYZ(33.8107, 44.0959, 30.7824)
contains.

XYZ(33.9854, 44.3246, 30.8090)	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(33.9854, 44.3246,
30.8090)**

Conversions

Conversions Part 1

Format	Color
Hex	8DBE8A
RGB	141, 190, 138
RGB Percent	55%, 75%, 54%
CMY	0.4471, 0.2549, 0.4588
CMYK	0.26, 0.00, 0.27, 0.25
HSL	117°, 29%, 64%
HSV	117°, 27%, 75%
XYZ	33.9854, 44.3246, 30.8090
YIQ	169.4210, -12.5120, -26.5600

Conversions

Conversions Part 2

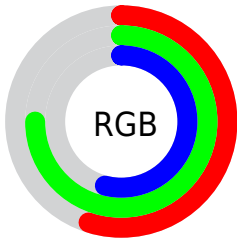
Format	Color
RYB	138, 190, 187
Decimal	9289354
CIELab	72.44, -26.34, 21.19
CIELCh	72, 33.808, 141.187
Yxy	44.3246, 0.3115, 0.4062
Android (android.graphics.Color)	4287479434 (0xFF8DBE8A)
YUV	169.4210, -15.4906, -24.9252
Hunter-Lab	66.5767, -25.3904, 19.1667

Details

The XYZ color **33.9854, 44.3246, 30.8090** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **38.8781, 32.4607, 52.9339**, and the grayscale version is **38.0004, 39.9794, 43.5376**.

A 20% lighter version of the original color is **65.5401, 82.0631, 62.2546**, and **14.6854, 20.4367, 12.4032** is the 20% darker color. If you saturate the color by 10%, you get **29.9264, 42.3787, 24.0558**, and if you desaturate by 10%, it is **38.7796, 46.6243, 38.8547**.

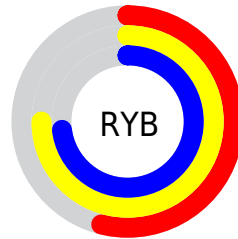
Distribution



Red (55%)

Green (75%)

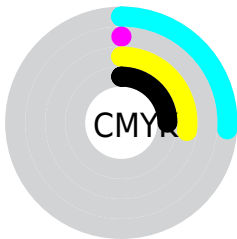
Blue (54%)



Red (54%)

Yellow (75%)

Blue (73%)

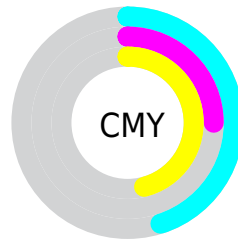


Cyan (26%)

Magenta (0%)

Yellow (27%)

Black (25%)



Cyan (45%)


Magenta (25%)

Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.9854, 44.3246, 30.8090 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 33.9854, 44.3246, 30.8090 by changing the saturation by 10% instead.


 33.9854, 44.3246,
30.8090


 33.9854, 44.3246,
30.8090


311.6540,
364.0312, 319.9813


 23.0452, 30.9258,
20.1962


 65.2554, 81.7060,
62.0153

 14.7478, 20.5423,
12.3523


 86.3159, 106.4573,
83.4459

 8.7277, 12.7899,
6.8586


 111.4806,
135.7616, 109.3194

 4.6197, 7.2840,
3.2967

141.1149,
170.0032, 140.0546

 2.0583, 3.6404,
1.2481

175.5839,
209.5666, 176.0698

 0.6664, 1.4745,
0.0187

215.2533,

 0.0000, 0.2707,

254.8362, 217.7836

0.0000

260.4882,
306.1962, 265.6146

■ 0.0000, 0.0000,
0.0000

■ 33.9854, 44.3246,
30.8090

■ 33.9854, 44.3246,
30.8090

■ 29.9264, 42.3787,
24.0558

■ 38.7796, 46.6243,
38.8547

■ 26.5629, 40.7637,
18.5250

■ 44.3393, 49.2882,
48.2522

■ 23.8569, 39.4628,
14.1444

■ 50.6970, 52.3330,
59.0607

■ 21.7653, 38.4557,
10.8330

■ 57.8826, 55.7731,
71.3351

■ 20.2398, 37.7194,
8.4993

■ 65.9243, 59.6218,
85.1271

■ 19.2249, 37.2275,
7.0365

■ 74.8491, 63.8920,
100.4863

■ 18.6498, 36.9469,
6.2921

■ 77.7043, 65.3087,
103.1181

■ 18.5518, 36.8995,
6.1445

Harmonies

Analogous

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



38.2068, 44.3246, 24.0930



33.9854, 44.3246, 30.8090



31.9956, 44.3246, 43.5093

Triad

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



33.9854, 44.3246, 30.8090



40.4353, 44.3246, 87.4393



53.4677, 44.3246, 37.5655

Complementary

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



33.9854, 44.3246, 30.8090



38.8781, 32.4607, 52.9339

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.



54.2040, 44.3246, 53.3487



33.9854, 44.3246, 30.8090



46.3112, 44.3246, 84.8048

Square

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



33.9854, 44.3246, 30.8090



35.4874, 44.3246, 77.8433



51.4800, 44.3246, 71.3064



49.5519, 44.3246, 27.3222

Rectangle

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



33.9854, 44.3246, 30.8090



32.0628, 44.3246, 54.7614



51.4800, 44.3246, 71.3064



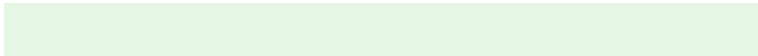
54.1087, 44.3246, 42.2982

Sweetspot

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



33.9866, 44.3265, 30.8100



79.5292, 88.9222, 86.0525



43.4961, 48.1273, 31.0424



17.1100, 19.3570, 18.2969



92.9021, 97.7402, 106.4391



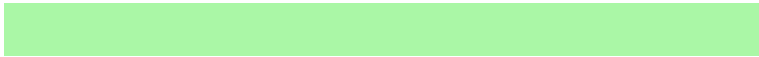
19.4759, 20.4902, 22.3138

Same Dimension

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



33.9866, 44.3265, 30.8100



56.8968, 78.0732, 48.0149



35.2880, 44.7889, 40.2893



9.4584, 10.6752, 10.1386



12.3581, 24.5467, 4.0867



0.5017, 0.9706, 0.1609

Inverse Universe

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



38.8781, 32.4607, 52.9339



67.2676, 52.9005, 94.9446



37.3435, 31.9325, 40.9827



9.8741, 9.6675, 12.0178



18.5712, 8.8599, 33.1242



0.7441, 0.3556, 1.2983

Previews

White Background



This preview shows how the XYZ color 33.9854, 44.3246, 30.8090 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 33.9854, 44.3246, 30.8090 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 33.9854, 44.3246, 30.8090

Background



This preview shows how black text looks on a background with the XYZ color 33.9854, 44.3246, 30.8090.



This preview shows how white text looks on a background with the XYZ color 33.9854, 44.3246,

30.8090.

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

33.9854, 44.3246, 30.8090

Protanopia

41.1222, 44.0574, 28.1663

Deuteranopia

44.7108, 43.8243, 31.6936



Tritanopia

39.5685, 44.0664, 59.2435

Trichromacy



Original Color

33.9854, 44.3246, 30.8090

Protanomaly

38.0443, 43.9478, 29.0319

Deuteranomaly

39.8213, 43.3125, 31.4606

Tritanomaly

37.2181, 44.0356, 47.6124

Monochromacy



Original Color

33.9854, 44.3246, 30.8090

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

36.1918, 41.2838, 38.4088

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9854, 44.3246, 30.8090 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(141, 190, 138)` looks like.

```
.text, #text, p{  
    color:rgb(141, 190, 138)  
}
```

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(141, 190, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 190, 138) }
```

Border

The CSS property to change the border of an element to XYZ 33.9854, 44.3246, 30.8090 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(141, 190, 138) }
```


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

```
.border{ border-color:rgb(141, 190, 138) }
```

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

Here you see how a box with a 4 pixel rgb(141, 190, 138) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 190, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 190, 138);  
box-shadow:4px 4px 4px 4px rgb(141, 190,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9854, 44.3246, 30.8090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 190, 138) }
```

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

```
.background{ background-color: rgb(141,  
190, 138) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor